



**Ahmedabad
University**

Career Development Centre



Engineering Placements 2021



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Aditya Bajaj

BTech ICT

Profile

Project Title/s:

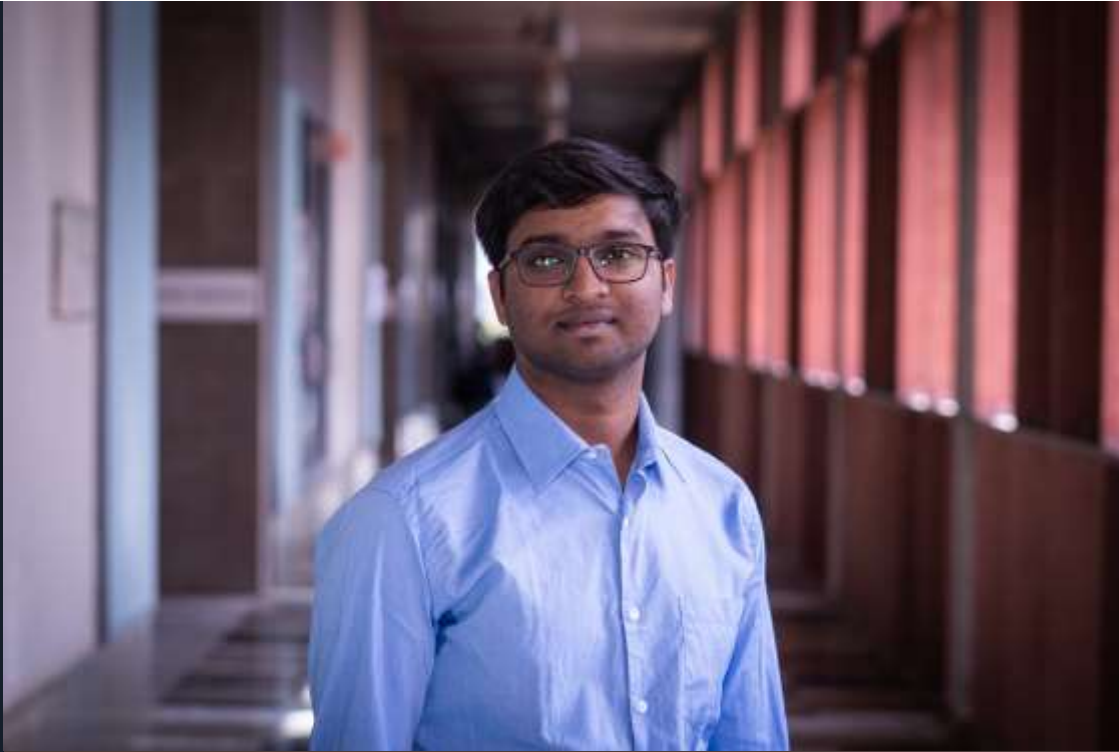
- Energy saving device
- voice controlled home automation
- Smart scheduler
- Blood bank management system
- Smart home automation

Areas of Interest:

- Electronics
- IOT



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Ajaykumar Bechara

BTech ICT

Profile

Project Title/s:

- Unfair reviews detection on Amazon reviews using sentiment analysis with supervised learning technique
- Implemented algorithms from scratch used for Big Data Processing
- Designed and developed Website for Projects Submission Management and Progress Monitoring System

Areas of Interest:

- Machine Learning
- Big Data Analytics
- Algorithm and Optimization for Big Data
- Data Structure and Algorithms
- Software Engineering and Development



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Akshay Gopani

BTech ICT

Profile

Project Title/s:

- Implemented various Big Data Processing algorithms from scratch in Python
- Fake review detection and analysis of cell phone review using Machine Learning
- Design and implementation of an online project submission management system
- Implemented Internet Radio using IP Multicast in C

Areas of Interest:

- Machine Learning
- Big Data Analysis and Optimization
- Artificial Intelligence
- Software and Web Development
- Data Structures and Algorithms
- Computer Networks



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Aman Dave

BTech ICT

Profile

Project Title/s:

- Web Pipeline for Flux Balance Analysis
- Multi-threading CPU
- Learning Management System
- Book Sharing Platform
- Personal Website

Areas of Interest:

- Full-Stack Development
- Backend System Architecture
- Software Development



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Bhargav Patel

BTech ICT

Profile

Project Title/s:

- Forecasting Energy Consumption Demand using Long-short Term Memory
- Online ML for Application Pre-loading using hoeffding tree and Multi-Threading
- Double Deep-Q Learning for Resource Allocation in Vehicle to Vehicle Communication
- The Nalanda: A mobile application to exchange books
- 2D Map creation of remote areas using a mobile robot using Arduino and Java
- Database Management System for Social Media Management using MS-SQL and Python
- Internet Radio Using C.

Areas of Interest:

- Data Science
- Machine Learning
- Reinforcement Learning
- Wireless Communication
- Sustainable Development using Technology



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Deep Gojariya

BTech ICT

Profile

Project Title/s:

- Sales Database with SQL Like Syntax for Fetching Records (Introduction in Programming)
- Smart Cooling System (Electronic System Design)
- Blood Donation Bank (Data Structure and Algorithms)
- Film Database Management System (Database Management System)
- Biometric Attendance System (Embedded System Design)
- Multicasting multimedia over IP(Computer Networks)
- Scheduling Algorithms(Operating System)
- currently working on Online Certificate Course Website(Software Engineering)
- Song identification through lyrical analysis using ML(Machine Learning)
- NLP(natural language processing)

Areas of Interest:

- Problem Solving
- Web Developing(HTML,JS,CSS)
- Database management(MySQL)
- Programming Languages(C, C++, java, python)
- Data Analysis



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Deep Gohel

BTech ICT

Profile

Project Title/s:

- Internet Radio
- A Probability Model for Verifying Deterministic Forecasts of Extreme Events
- climate classification using landscape images
- Nalanda: application for book exchange
- RFID sensor based attendance system
- intelligent lighting system

Areas of Interest:

- Machine learning
- Probability and Random Processing
- Software Engineering
- Internet of Things



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Deep Lalani

BTech ICT

Profile

Project Title/s:

- E-commerce website
- water level control

Areas of Interest:

- Android development
- web development
- game development
- basic of machine learning



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Denish Navadiya

BTech ICT

Profile

Project Title/s:

- Ecommerce shopping management (web and mobile side)
- wallpaper changer app for android
- Space shooter 2D game
- Design tiny shell for linux and windows (in java)
- Temperature controller fan (with arduino controller)

Areas of Interest:

- Android development
- Web development
- Machine learning
- Game development



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Dhara Vora

BTech ICT

Profile

Project Title/s:

- Online Shopping Management System using MySQL and JAVA
- Security System for Warehouse Parking using RFID and Wi-Fi Module
- Automatic Street Light Controller using Arduino UNO
- Implementing Memory Management - Fixed and Dynamic Partitioning in Operating System using JAVA
- Multi casting Multimedia over IP in C using TCP and UDP Transport Layer Protocol
- Speech Emotion Recognition using Machine Learning Algorithms

Areas of Interest:

- Internet Of Things (IOT)
- Software Development
- Machine Learning
- Database Management System
- Algorithms and Optimization for Big Data



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Dhruv Shah

BTech ICT

Profile

Project Title/s:

- Hadoop Distributed file system implementation
- Internet radio streaming prototype
- Analysis of the quantum satellite 'Micius' launched by china
- Android app controlled Robotic arm using arduino , SQL compiler in c
- Stock market portfolio management system
- Smart solar system for efficient energy management
- Analysis of PCA of a matrix on a FPGA
- Implementation on RISC based microprocessor on FPGA
- Multi-threading CPU
- Learning Management System
- Book Sharing Platform
- Personal Website

Areas of Interest:

- Computer network and security
- data storage and management
- IOT
- Software Development
- Data analysis



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Dhruvil Shah

BTech ICT

Profile

Project Title/s:

- Pharmacy management system using MySQL and Java
- Car management system using c
- sentimental analysis of review using Machine Learning
- RFID card based attendance system using arduino
- Cognitive radio in Wireless Communication,

Areas of Interest:

- Machine Learning
- Database Management
- Embedded System
- VLSI
- Web Development



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Divyaraj Vegad

BTech ICT

Profile

Project Title/s:

- Home automation system with automatic power control
- Sales database with SQL type syntax fetching records from files
- Auction of cricket player using database with(GUI)
- RFID based attendance system
- Disk scheduling algorithms in OS
- Multicasting Multimedia over IP with different features , Currently working on project station in software engineering

Areas of Interest:

- Software development
- Programming languages
- Database management
- Data analysis
- Machine learning



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Gaurav Parmar

BTech ICT

Profile

Project Title/s:

- GDCR Database Management
- Rainfall Prediction
- Cancer Prediction on Tumor Size

Areas of Interest:

- Data Science
- Machine Learning
- Deep Learning



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Hetvi Suthar

BTech ICT

Profile

Project Title/s:

- Security System for Warehouse Parking
- Multicasting Multimedia over IP
- Implementation CPU scheduling
- Fitness Management System
- The joint impact of secondary user mobility and primary user activity on spectrum sensing
- Solar System using Arduino
- Pesticide Spraying and Disease Forecast
- Speech Emotion Recognition

Areas of Interest:

- IOT
- Machine Learning
- Software Development
- Web Development
- Database Management System
- Algorithm and Optimisation for Big Data



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Hitesh Parmar

BTech ICT

Profile

Project Title/s

- Chess game in C
- Wireless communication through the water-air interface
- Yo!Rent software
- Fast Shifting(Shortest path)
- Effective product review system using NLP
- Smart irrigation system using Arduino

Areas of Interest:

- Cyber Security
- Ethical Hacking
- Bug Hunting
- Information Security
- Web Development
- Machine Learning



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Jainam Ajmera

BTech ICT

Profile

Project Title/s:

- Hexapod(Six Legged Robot)
- Home Automation
- Soil water content measurement using Image Processing
- Programming Kuka KR3 Robot
- Gesture Controlled car

Areas of Interest:

- Embedded System
- Automation
- Robotics
- IOT
- VLSI
- ANDROID Development
- Automobile Electronics



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Jainil Adani

BTech ICT

Profile

Project Title/s:

- Online Shopping management system in PHP and MySQL
- Implementation of hexapod robot using arduino
- Memory management system in Linux simulation)
- Hostel management system (Software development)

Areas of Interest:

- Software Development
- Operating Systems
- IOT
- Web Development



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Jay Patel

BTech ICT

Profile

Project Title/s:

- Smart traffic system
- Classification model for detecting traffic
- Shop inventory system
- Solar System Stabilizer
- Internet Radio Using IP Multicast
- Emotion Identification in Natural Language Processing

Areas of Interest:

- Web Development
- ML
- IOT
- Computer Networks
- Data Mining
- AI



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Jaydeep Modi

BTech ICT

Profile

Project Title/s:

- Traffic management system
- Smart irrigation system
- IPL management system
- online food ordering system

Areas of Interest:

- Software engineering
- Integrated circuit and device technology
- Database management system
- Marketing



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Jeel Pujara

BTech ICT

Profile

Project Title/s:

- Renting System I'm Software Engineering
- Real time Scheduling in Operating System
- Film Database Management System in DBMS
- Automatic temperature setup in room
- Visual Surveillance in a dynamic and uncertain world
- XBEE module data transmission and communication
- Thermal Protection System in PRP
- Human following trolley in ESD
- Pilot Canteen in UCD
- MGF-Based Analysis of Spectrum Sensing Over $K - \mu$ Fading Channels for 5G Cognitive Networks Wireless communication
- Linear Discriminate Analysis
- Managing Car Information

Areas of Interest:

- Software Engineering
- Data Science and Machine Learning
- Database Management
- Operating System



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Jeet Shah

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Profile

Project Title/s:

- CM-CNN based Spectrum Sensing
- Online ML for application pre-loading
- PGM based Graph Property Learner
- Garden Monitoring over the cloud
- MIPS Processor Simulation
- SISO SIMO MISO MIMO system modelling in MATLAB
- 2D mapping of unknown arena using autonomous robot cars
- Social media DBMS system
- CLI internet radio
- Nalanda(A knowledge exchange platform)

Areas of Interest:

- Machine Learning



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Jinesh Patel

BTech ICT

Profile

Project Title/s:

- Impact of mobility in physical layer system over wireless fading channel
- Process migration using Java
- Advance Transport Management System
- Compression of grayscale image using PCA
- Pothole Detection system

Areas of Interest:

- Machine Learning
- Software Development
- Cloud Computing
- IOT



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Jishant Patel

BTech ICT

Profile

Project Title/s:

- Predicting rise in global temperature by greenhouse gases emission using ML
- A 3 dqn approach to reduce traffic signal waiting time
- Project Repository System
- Smart Street Light system
- Programming kuka kr3 robot
- Database system for music app

Areas of Interest:

- Machine Learning
- Game Development
- Front end
- Robotics
- Open Source Projects



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Kalagee Anjaria

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Profile

Project Title/s:

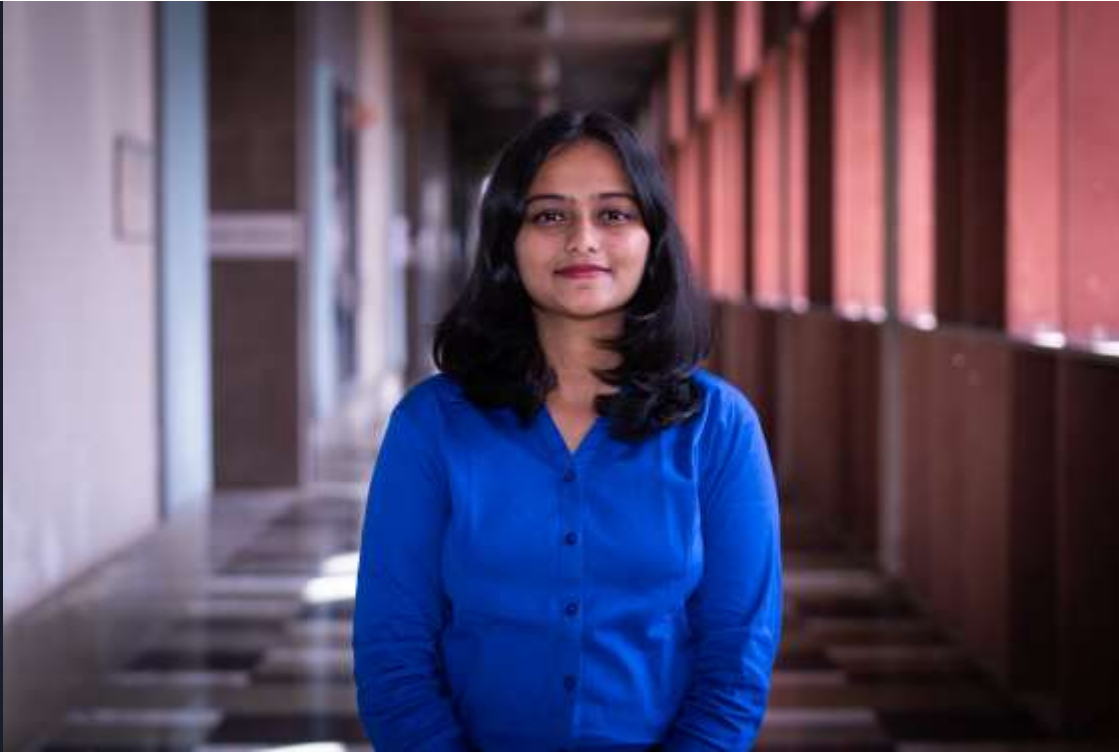
- Railway management system using MySQL and Java
- Traffic density control using Arduino Mega
- Multicasting multimedia over IP in C using TCP and UDP transport protocol
- Implementing short term scheduling algorithms-FCFS and RR in Operating system using Java
- AQI(Air Quality Index) prediction using machine learning techniques

Areas of Interest:

- Database Management System
- Machine learning
- Algorithms and optimization for Big Data
- IOT(Internet of things)
- Software Development



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Kausha Vora

BTech ICT

Profile

Project Title/s:

- Smart light control system of college corridor using Arduino
- Black line follower using Arduino
- Library management system using MySQL and Java
- Implementation of Banker's algorithm in C (resource allocation and deadlock management)
- 8bit MIPS based microprocessor design with 32 instructions and its implementation on FPGA

Areas of Interest:

- Database management and administration
- Operating system
- Embedded system design
- Computer architecture
- Very large scale integration
- Integrated circuit design technology
- Content writing



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Kavyaa Sheth

BTech ICT

Profile

Project Title/s:

- CM-CNN based Spectrum Sensing
- Context Switching Simulations using JAVA
- 2-D Mapping of unknown Arena using Arduino ultrasonic sensors
- nrf24 and Java
- Social Media DBMS system using MS SQL Server Management Studio and Python
- Monte carlo simulations of SISO, MISO, SIMO and MIMO system models in matlab
- Internet radio using C

Areas of Interest:

- Machine Learning
- Software Development
- VLSI
- Renewable Energy Technology
- Wireless Communication



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Khushal Pansuriya

BTech ICT

Profile

Project Title/s:

- Hostel Management web application
- IPL Auction database, ATM software
- Internet Radio

Areas of Interest:

- Problem solving
- Cyber Security



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Krinali Shah

BTech ICT

Profile

Project Title/s:

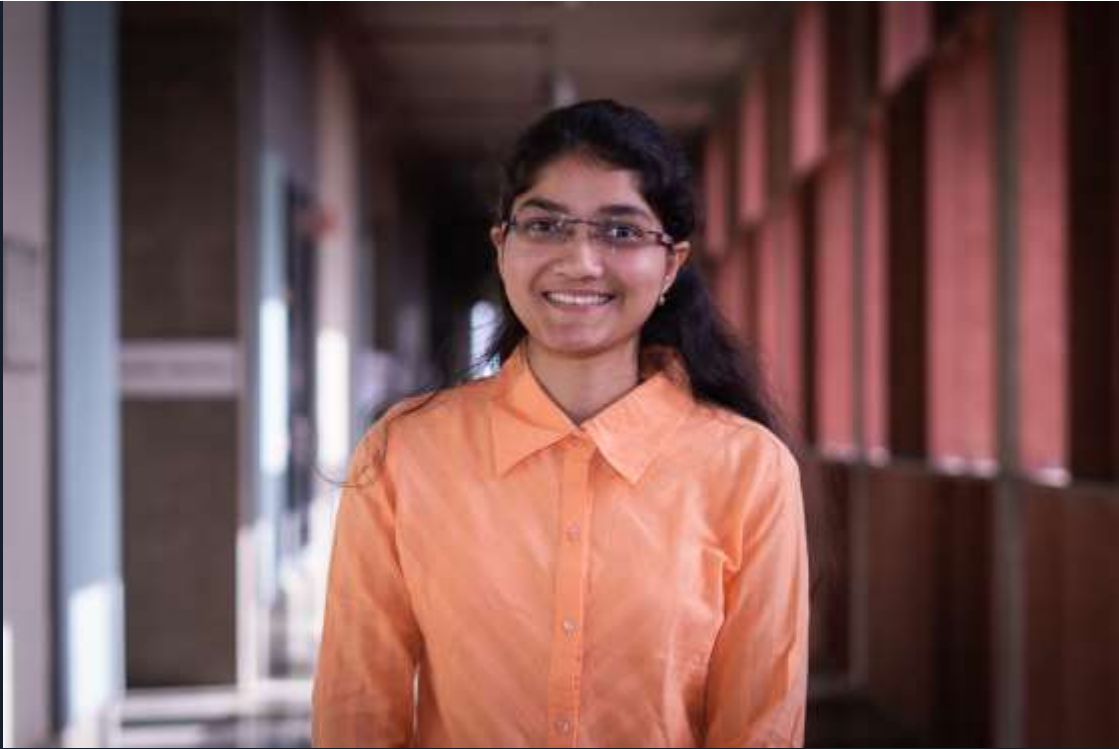
- Spectrum sharing in vehicular network based on multi-agent reinforcement learning
- Hurricane Trajectory Prediction using Recurrent Neural Networks
- Railway Database Management System
- Gesture Controlled Cleaning Robot

Areas of Interest:

- Wireless Communication
- Machine Learning
- Deep Learning
- AI
- Software Engineering
- Database Management



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Krushna Shah

BTech ICT

Profile

Project Title/s:

- Online Shopping Management System
- Security System for Warehouse Parking
- Implementing Memory Management-Fixed and Dynamic Partitioning
- Multi-Casting Multimedia over IP
- Speech Emotion Recognition

Areas of Interest:

- Database Management System
- IOT
- Algorithm and Optimization for Big Data
- Machine Learning
- Software Development
- Android App Development



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Kruti Yadav

BTech ICT

Profile

Project Title/s:

- Heart disease prediction using machine learning
- Book exchange and knowledge sharing platform for student
- Library management system using C programming,
- Arduino and RFID based smart parking system for the warehouse
- E-commerce website (Front-end, Back-end)
- Multicasting multimedia over IP

Areas of Interest:

- Machine Learning
- Data Science
- Artificial Intelligence
- Web development
- Software development
- Computer Networks
- Cyber Security



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Manav Darji

BTech ICT

Profile

Project Title/s:

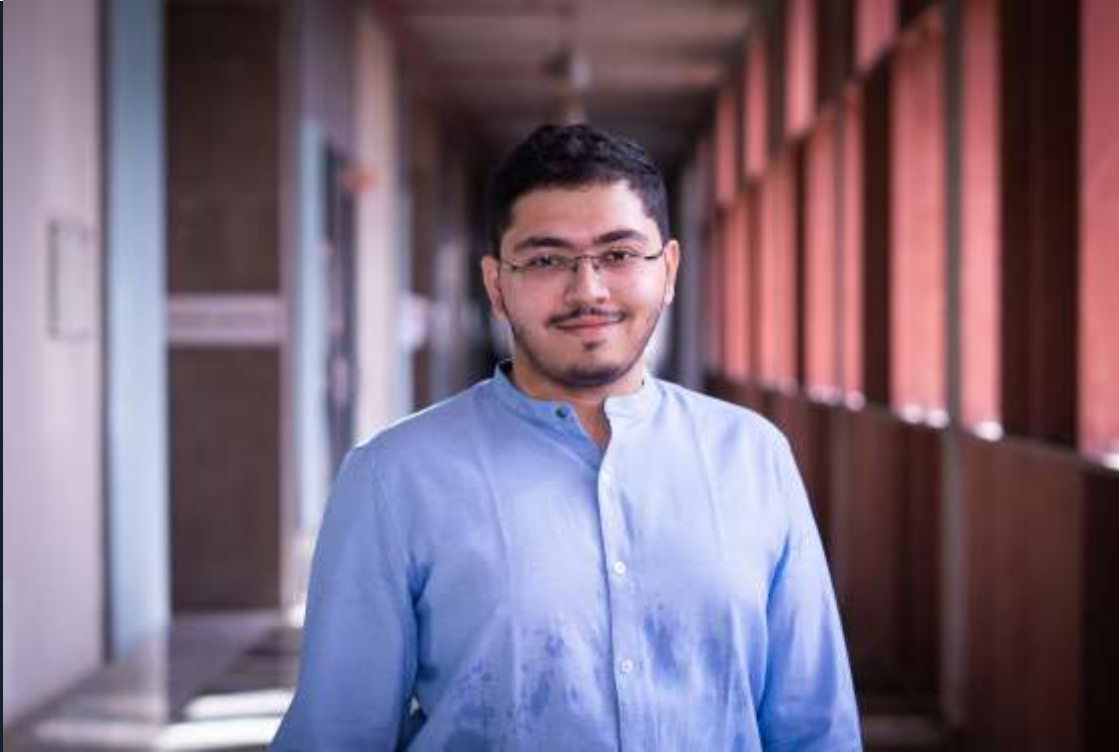
- Transport Carbon Emission Calculation and Prediction (Currently Ongoing)
- Online Renting Platform
- Internet TV/Radio
- Real time pothole detection
- Finding false users under SSDF Attack in cognitive radio based vehicular networks
- FPGA Implementation of principal component analysis on 32x32 gray scale image
- Application of Markov Chain in reducing the gene of albinism

Areas of Interest:

- Blockchain and Cryptocurrency
- Those Ideas/Products/Projects creating great impact on climate (ones specifically involving carbon emissions and footprints)
- Software Development, Product Development and Design



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Manav Shah

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Profile

Project Title/s:

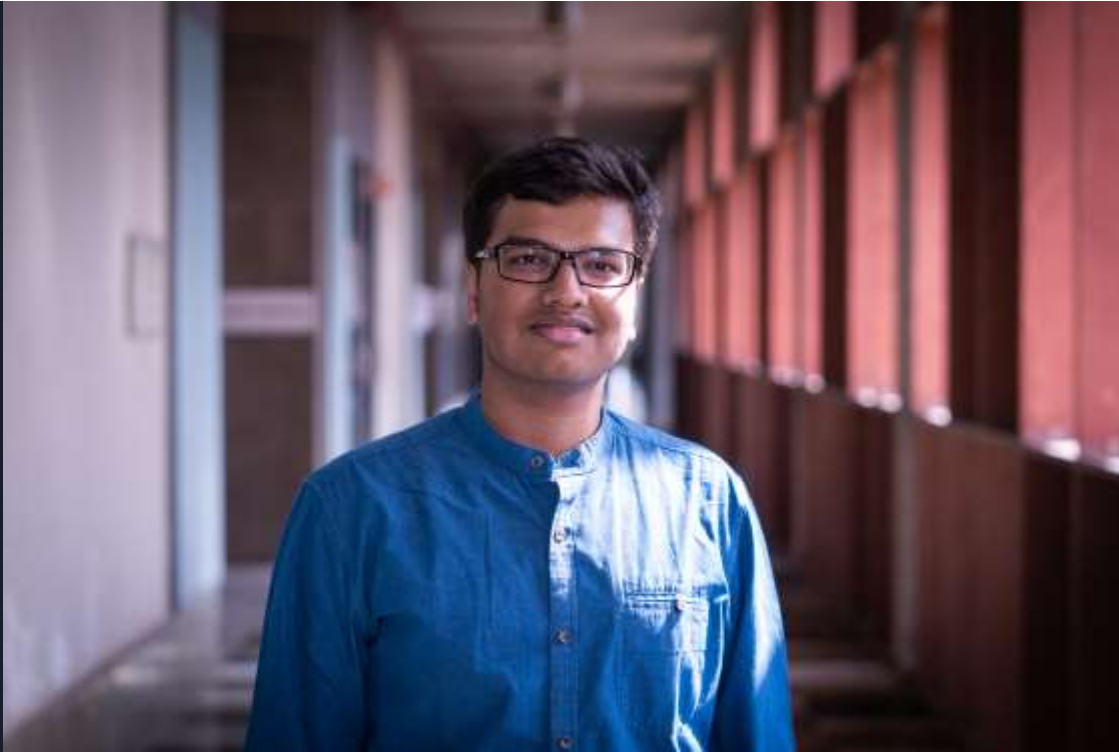
- Implementation of IEEE Transaction article - 'Robust Hierarchical Deep Learning for Vehicular Management'
- Gyapak: Ahmedabad University's File Viewing and Sharing System
- Wholesale store Management System using PHP and MySQL

Areas of Interest:

- Machine Learning
- Software Engineering
- Natural Language Processing
- Data Structures and Algorithms
- Web Development



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Mann Bilimoria

BTech ICT

Profile

Project Title/s:

- Multi-player server for a game
- SQL compiler in C
- Analysis of PCA of a matrix on a FPGA
- Analysis of the Quantum Satellite 'Micius' launched by China
- Internet Radio Streaming prototype
- Distributed File System Prototype
- Remote Controlled Robotic Arm using Arduino

Areas of Interest:

- Game Development
- Cyber Security
- Computer Networking
- Data Storage and Management



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Meet Modi

BTech ICT

Profile

Project Title/s:

- Real time pothole detection
- Face recognition and indoor localization based attendance app
- Sales database through own query language
- compressing image through PCA

Areas of Interest:

- Machine learning
- software development
- data structures and algorithms optimization
- big data
- data analytics and mining



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Mihir Kanjaria

BTech ICT

Profile

Project Title/s:

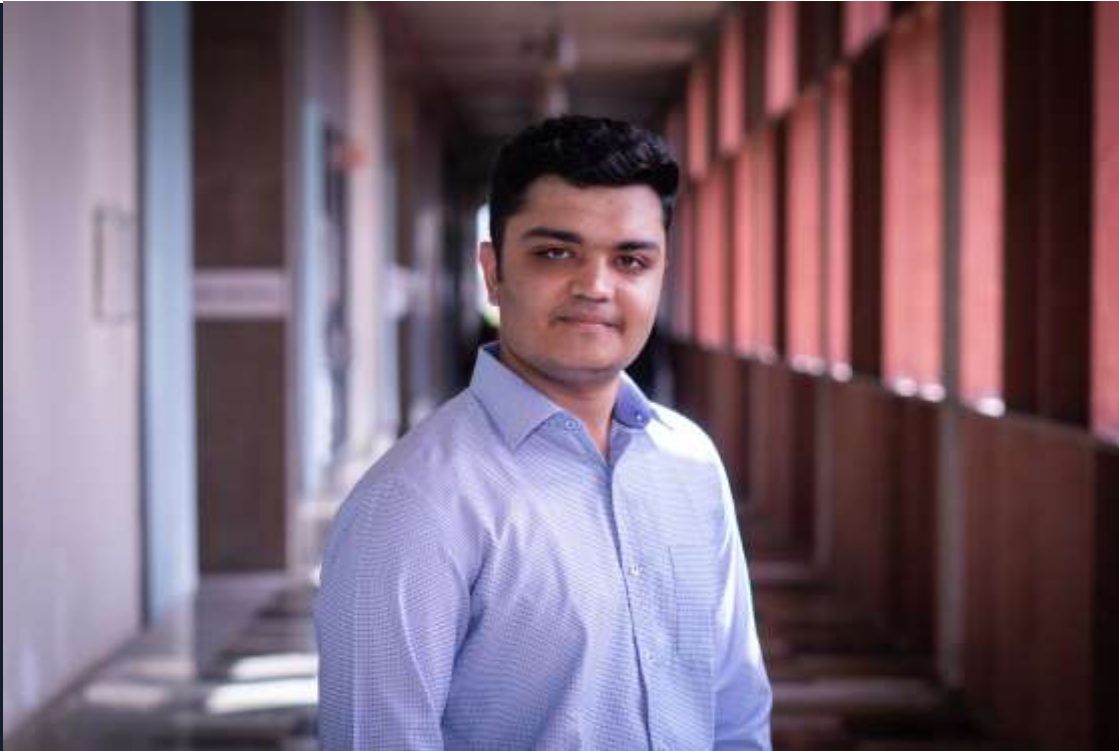
- Internet Radio using Multicast Multimedia in C
- Concurrency in Thread Management using OS concepts
- Home Automation using Sensors and Machine learning Algorithm
- Smart Charger Model with Android App

Areas of Interest:

- Machine learning
- Advanced Data structure and Algorithm
- Software Development
- Database and management system
- IOT
- Big data analytics
- Operating Systems



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Mohit Vaswani

BTech ICT

Profile

Project Title/s:

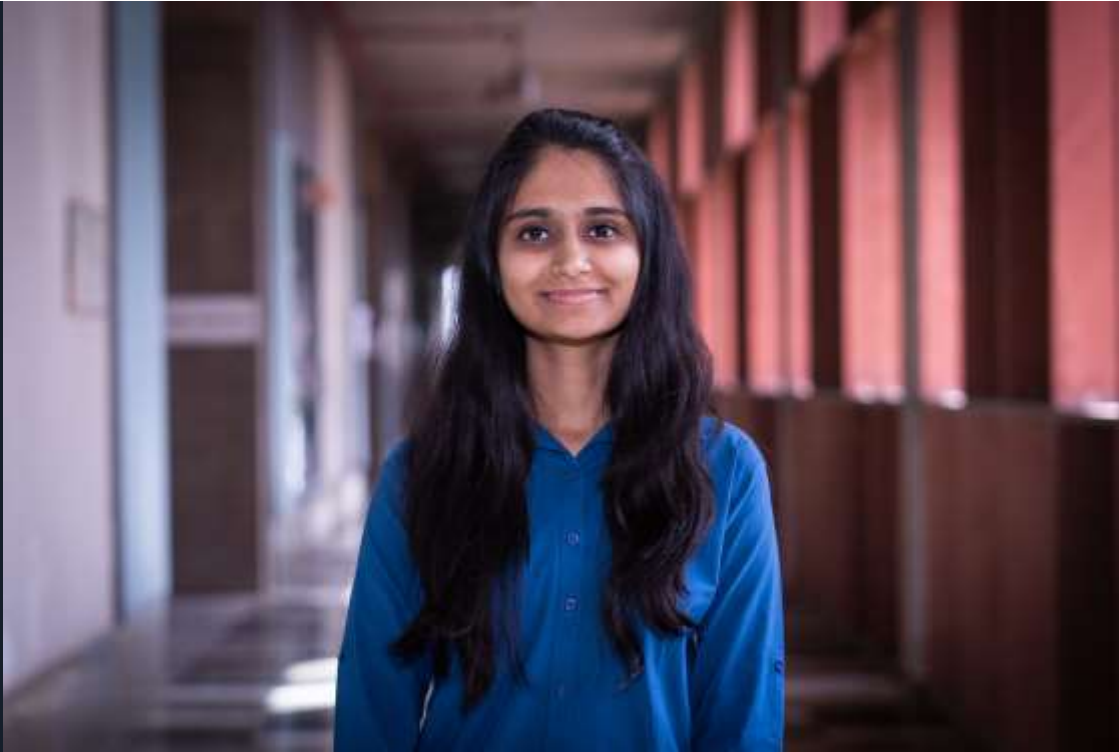
- Vehicular Congestion Detection using CNN
- Air Quality Prediction using Machine Learning
- Rabies Prediction Model
- Traffic Density Measurement using Sensors
- Software for Study consulting
- Simulation of Disk Scheduling Algorithms using java
- Implementation of Slow Start – Fast Retransmit TCP

Areas of Interest:

- Machine Learning
- Deep Learning
- Data Analytics
- Data Base Management Systems
- Software Development
- Internet Of Things



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Mudra Suthar

BTech ICT

Profile

Project Title/s:

- Principal Component Analysis of a 32 x 32 grayscale image for image compression
- Hotel Management System using MySQL and PHP
- Disease Progression in Alzheimer's disease using Matlab, Travelling salesman problem in java
- Impact of secondary user Mobility and Primary user activity on spectrum sensing in cognitive vehicular networks
- Sentiment Analysis of audio signal(Machine learning Ongoing)
- Employment Recruitment System(Ongoing)

Areas of Interest:

- Machine Learning
- Artificial Intelligence
- Data Structures and algorithms
- Competitive Coding
- Software Engineering
- Data Science
- Mathematics



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Muskan Matwani

BTech ICT

Profile

Project Title/s:

- Implementation of CPU Scheduling Algorithms in JAVA with GUI (Graphical User Interface),
- Online Food Delivery System in MySQL and JAVA
- Air Quality Index Prediction using machine learning algorithms
- Image compression using LDA and implementation in MATLAB and on FPGA
- Internet Radio using Multicast over IP in C
- Event Management System using Web development tools and scrum model

Areas of Interest:

- Machine Learning
- Deep Learning
- Data Science
- Computer Vision
- Artificial Intelligence
- Software and Web Development
- Advanced Data Structures and Algorithms
- Internet of Things
- Operating Systems



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Nidhi Golakiya

BTech ICT

Profile

Project Title/s:

- Multimedia multicasting over IP in C using TCP and UDP
- Thalassemia Prediction in Java and Matlab
- Automatic Water level monitoring and controlling system using Arduino UNO
- Railway management System using MySql
- Air Quality Index prediction using ML techniques

Areas of Interest:

- Internet of Things
- Machine Learning
- Software Development
- Algorithms and Optimization for Big Data
- Computer Networks
- Database Management Systems
- Data Analytics



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Nilay Patel

BTech ICT

Profile

Project Title/s:

- Project management system using C++
- Shopping management system using java and Mysql
- Sentimental analysis of reviews in ML
- Home automation using Arduino

Areas of Interest:

- ML
- Linear algebra
- AOBD
- Data structures and Algorithms



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Nisarg Shah

BTech ICT

Profile

Project Title/s:

- Heart Disease Prediction using PGM
- Query Language similar to SQL
- Finding SVD components of Image

Areas of Interest:

- Software Development
- Design Thinking
- Data Structures and Algorithms
- IOT
- Human Computer Interaction



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Param Raval

BTech ICT

Profile

Project Title/s:

- Deterministic and Stochastic Modeling of Zika virus Transmission
- Modeling Molecular communications as a wireless system with Deep Learning Frameworks
- Trip Management System
- Utilizing BERT for Aspect Based test generation and sentiment Analysis

Areas of Interest:

- Data Science
- Machine Learning
- Deep Learning
- Software Development
- Computational Linguistics



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Param Shah

BTech ICT

Profile

Project Title/s:

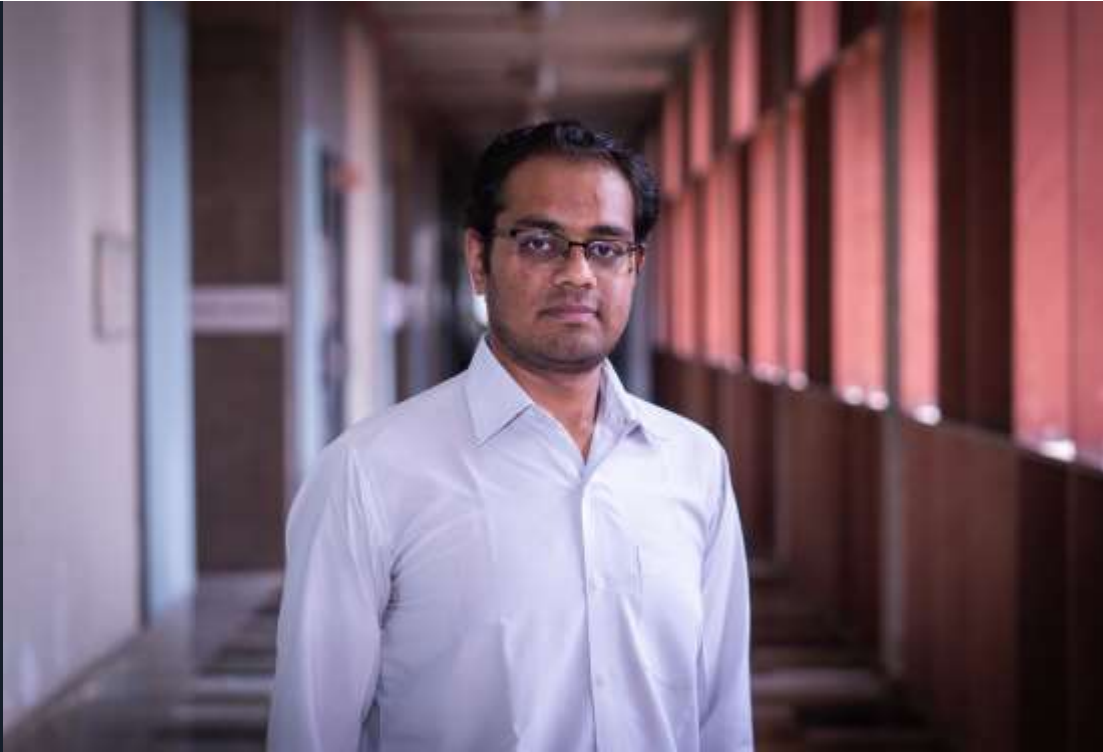
- Linear Discriminant Analysis on FPGA using Verilog & MATLAB
- Project Management System Platform
- Automated Harvesting System, PDF to invoice data scraping using UiPath

Areas of Interest:

- Robotic process automation
- Java Development
- JS Development using Node



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Parth Maniyar

BTech ICT

Profile

Project Title/s:

- Internet Radio using socket programming in c
- Rainfall prediction using linear regression and naive bayesian technique
- Concurrency and Thread Management using message passing and semaphore
- Library Management System backend and front end using java and MySQL database
- Cricket Fantasy Game backend and front end using python and Sqlite database
- Sales Database with SQL like Syntax for Fetching Records in C
- MIPS based Microprocessor in verilog HDL
- Image compression using SVD

Areas of Interest:

- Software Development
- Data Science
- Machine Learning



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Prima Sanghvi

BTech ICT

Profile

Project Title/s:

- Smart Car Parking System using Arduino.
- Wholesale Management System using SQL and JAVA.
- Zigbee Project for Red Light Violation.
- Simulation of Disk Scheduling Algorithms using java
- Internet Radio Using IP Multicast
- Emotion Identification in Natural Language Processing
- Vehicular Congestion Detection using CNN

Areas of Interest:

- Operating Systems
- Database Management and Administration
- Machine Learning
- Embedded System Design
- C/Java programming (Coding)



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Priyanshi Deliwala

BTech ICT

Profile

Project Title/s:

- Internet Radio Using IP Multicast
- Emotion Identification in Natural Language Processing
- Career Guidance Software to find the best career road map
- Wholesale Management system Using MySQL and JAVA
- Design and Implementation of Smart Car Parking system using Atmega32
- Telephone Directory Management System in JAVA

Areas of Interest:

- Database Design
- Software Engineering
- Internet of Things
- Natural Language Processing
- Machine Learning
- Data Analytics
- Embedded System Design



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Rajvee Kadchha

BTech ICT

Profile

Project Title/s:

- Predicting aqi using machine learning techniques in python
- Thalassemia prediction using probability models in matlab
- Restaurant management system using mysql
- Context switching in operating system using c
- Smart traffic system using Arduino
- Internet radio using tcp udp protocols in c
- Online recruitment system of employees

Areas of Interest:

- Machine learning
- Algorithm and Optimization of big data
- Internet of things (IOT)
- Software development
- Database management



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Rajvi Patel

BTech ICT

Profile

Project Title/s:

- Implementation of context switching for multitasking
- Transmission of Thalassemia in the upcoming generation using MATLAB
- Sea level prediction using Machine Learning Algorithms
- Online employment requirement system
- Energy detection with SU mobility
- Internet Radio
- Linear Discriminant Analysis of a 32*32 grayscale image compression
- Traffic Density control using Arduino Mega
- Online restaurant Management system
- Searching Catalogues in Library using BST
- Liquid level control using Arduino

Areas of Interest:

- Machine Learning
- Software Development
- Data Analytics
- IOT
- Database Management system



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Rushil Shah

BTech ICT

Profile

Project Title/s:

- Personal Website
- Internet Radio
- PCA implementation on FPGA
- Project Management System
- LabVIEW API for raspberry pi
- Pong Fame on Arduino IDE
- Online Renting Platform
- Automated farming systems based on Arduino

Areas of Interest:

- Machine Learning
- FPGA
- Software Development
- LabVIEW based application development
- Data Science
- Quantum Computing
- Environmental Welfare
- Competitive Coding
- Data structures and Algorithms



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Rutvi Tilala

BTech ICT

Profile

Project Title/s:

- Internet Radio
- Restaurant Management System
- File Management System
- FPGA implementation for finding principal component of LDA
- Sales Database system
- Pipelined ALU Processor
- Travelling Salesman Project
- Career Counseling Software
- Disease Progression of Alzheimer through hidden Markov Model

Areas of Interest:

- Machine Learning
- Artificial Intelligence
- Deep Learning
- IOT
- Mathematics
- Coding



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Ryan Jain

BTech ICT

Profile

Project Title/s:

- Rainfall Prediction using Machine Learning
- Implementation of Linear Discriminant Analysis on FPGA
- Development and Implementation of 8-bit MIPS Processor on FPGA
- Hostel Management System using Django and MySQL

Areas of Interest:

- Machine Learning
- Big Data Analytics
- Software and Web Development
- Data Science
- Cloud Computing
- Computer Vision
- Algorithms and Optimization



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Sajil Vohra

BTech ICT

Profile

Project Title/s:

- Hexapod (six legged robot)
- soil's water content measurement using image processing
- Programming of KUKA KR3 robot
- UAS based Agricultural Remote-sensing

Areas of Interest:

- Embedded Systems
- Automation
- Robotics
- Remote Sensing
- Image processing
- VLSI
- IOT
- Unmanned Aerial Systems (UAS)



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Samip Desai

BTech ICT

Profile

Project Title/s:

- Project Management System
- Online Shopping Management
- Smart Home
- Smart Exhaust Fan

Areas of Interest:

- Mobile App Development
- IOT



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Shaunak Vyas

BTech ICT

Profile

Project Title/s:

- Local internet radio(socket programming)
- Loan approval prediction model using regression
- Inventory management system
- Smart meeting schedule maker

Areas of Interest:

- Software development
- Web development
- Backend development



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Smit Mandavia

BTech ICT

Profile

Project Title/s:

- Scheduler in Django (currently working)
- Internet radio using multicast and data transfer using sliding window protocol
- learning Management system database
- SVD using FPGA
- website for awareness about electronic waste
- data fetching from custom database with SQL syntax in c

Areas of Interest:

- Software engineering & human interaction Development
- AI
- ML
- Data science
- Algorithms
- Networking & computer system
- Cyber security



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Smit Mehta

BTech ICT

Profile

Project Title/s:

- Cricket auction website using mySql, java and jsp
- RFID based attendance system using arduino
- fake review detection and analysis of cell phone review with machine learning
- 8-bit MIPS processor

Areas of Interest:

- Software development
- Natural language processing
- Arduino



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Varun Patel

BTech ICT

Profile

Project Title/s:

- Project Management System
- Shopping Management System
- Home Automation
- Sentiment Analysis of movie review

Areas of Interest:

- Programming
- Machine Learning
- Mathematics



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Vivek Shah

BTech ICT

Profile

Project Title/s:

- Development and implementation of 8-bit microprocessor without interlock pipeline stages(MIPS)
- Creating dynamic E-commerce website for electronic store using dbms and web development concepts
- Implementing priority queue with round robin algorithm in java
- Analysing the rainfall data using classification algorithm and apply data science to derive analytics

Areas of Interest:

- Machine learning
- Software and Web development
- Data science, Computer networks, Internet of things



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Yesha Shastri

BTech ICT

Profile

Project Title/s:

- Deterministic and Stochastic Modelling of Zika virus transmission
- FoodFrenzy: Online Food Delivery Software using Database management and Software Engineering concepts
- Performing dimensionality reduction for image compression
- Text Generation and Aspect Based Sentiment Analysis using BERT
- CPU Scheduling Algorithms in Java with GUI

Areas of Interest:

- Machine Learning
- Deep Learning
- Data Science
- Natural Language Processing
- Computer Vision



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Aarya Gohil

BTech Mechanical

Profile

Project Title/s:

- Sun tracking solar panel
- 2-Link robotic arm with gripper mounted on RC car
- App controlled ramp for disabled
- Load on an object in wind tunnel
- Design and manufacturing of Joints and Jigs
- Solar water heater

Areas of Interest:

- Robotic
- Automation
- Mechatronics
- Research in thermodynamics
- Renewable energy technology
- Power plant/Thermal machines



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Abutibyan Hawawala

BTech Mechanical

Profile

Project Title/s:

- Design & development of Wind Tunnel and studying Forced convection in it
- Design & development of Magnetic Abrasive Finishing Machine
- Design & development of Muff & Flange Coupling

Areas of Interest:

- Manufacturing
- Assembly
- Automation



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Adit Gada

BTech Mechanical

Profile

Project Title/s:

- Design and Manufacturing of Flange Coupling
- Manufacturing of Universal Joint
- Forced Convection in Wind Tunnel
- Design of Francis Turbine Model

Areas of Interest:

- Manufacturing
- Design Engineering
- Production Management



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Chirag Dantreliya

BTech Mechanical

Profile

Project Title/s:

- Design and manufacturing of Angular jig
- Design and manufacturing of parabolic trough collector
- Design and manufacturing of Gear pump
- Analysis on effect of various parameters on the surface finish of laser beam machining

Areas of Interest:

- Manufacturing of product
- Mechanical design
- Product design
- CAD Modelling
- Robotics
- Automation
- Thermal Engineering



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Devang Chaudhary

BTech Mechanical

Profile

Project Title/s:

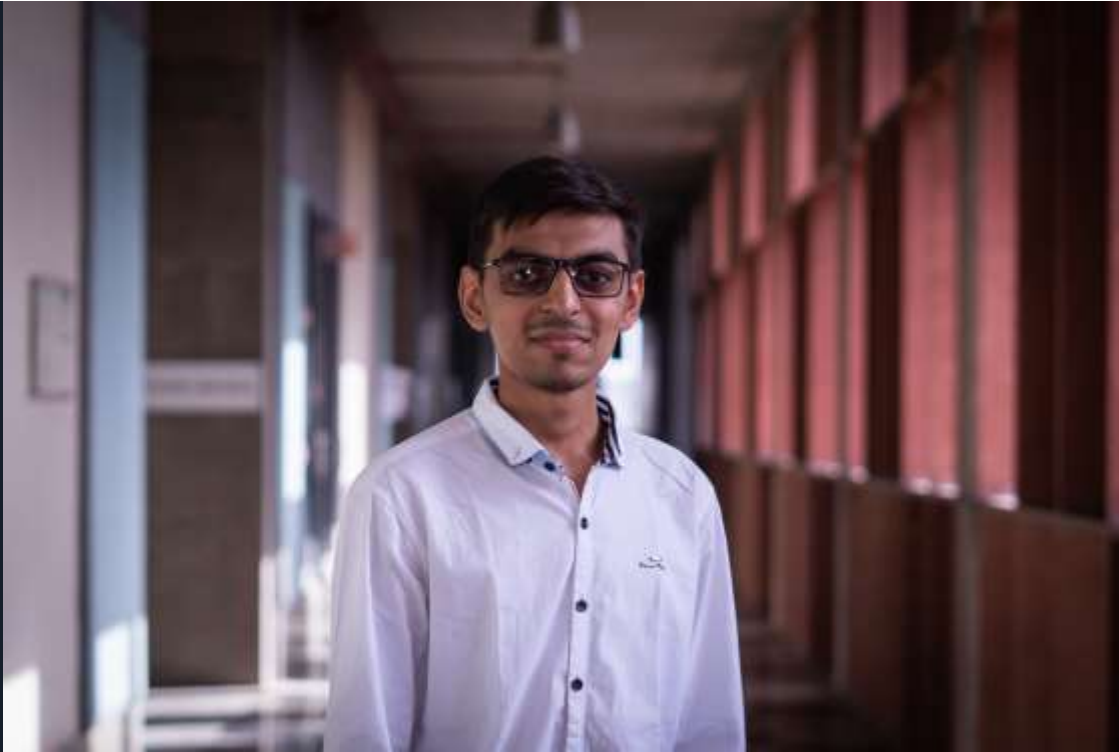
- Design of a screw Jack
- Effects of parameters in laser machine
- Parabolic trough collector
- CAD design and manufacturing of the six hole drilling jig
- Design and manufacturing of a gear pump

Areas of Interest:

- Automobiles
- Hydraulics
- Design
- Manufacturing
- Quality Engineering



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Dhruv Parikh

BTech Mechanical

Profile

Project Title/s:

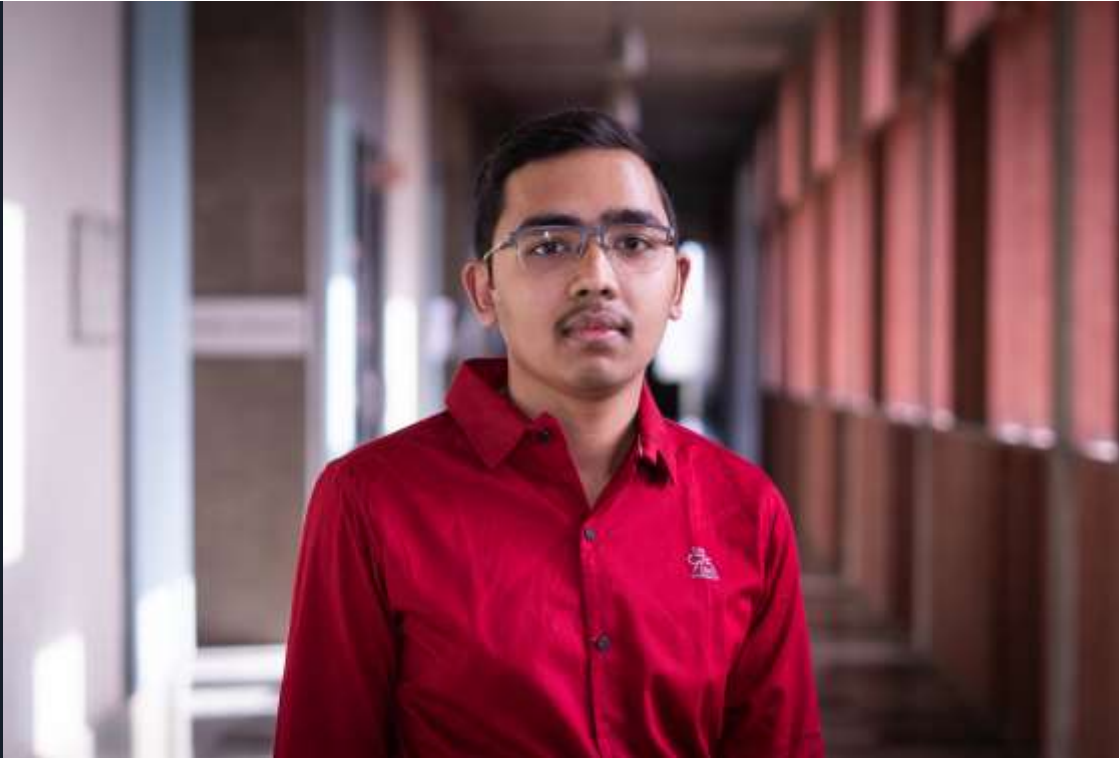
- Design and Development of Subsonic Windtunnel
- Design and development of a window cleaning robot
- Design and development of 3-hole drill jig

Areas of Interest:

- Control System Design
- Robotics
- Aerodynamics/Aerospace
- Automation



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Jainam Shah

BTech Mechanical

Profile

Project Title/s:

- Design and Development of Centrifugal Pump Impeller
- Smart Leaf Blower
- Design and Development of Reciprocating Pump
- Design and Analysis of Clay Pot Refrigerator
- Calorific Testing of Biodiesel

Areas of Interest:

- Design
- Manufacturing
- Thermal Engineering



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Maharshi Desai

BTech Mechanical

Profile

Project Title/s:

- Experimental setup for emissivity measurement of a test plate in vacuum
- Design and manufacturing of universal joint
- Design and manufacturing of experimental setup to measure various parameters of open channel flow
- Sun tracking solar panel with temperature control and increase intensity
- Design and Development of pelton turbine

Areas of Interest:

- Mechatronics
- Control System Design
- Robotics
- Design of Machine Elements
- Thermal Machines



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Mayank Chande

BTech Mechanical

Profile

Project Title/s:

- Design and manufacturing of Solar Parabolic Trough Collector
- Design and manufacturing of Angular Jig
- Design and fabrication of Open Channel Flow setup
- Development and fabrication of Flange Coupling

Areas of Interest:

- Quality Engineering
- Thermal Engineering
- Manufacturing
- Robotics



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Nimil Bakriwala

BTech Mechanical

Profile

Project Title/s:

- Re-development of an existing Abrasive Jet Machining set-up and carry out an experiment
- Design and development of an open channel flow set-up
- Design and development of a Hydraulic Torque Converter
- Design and development of a Reciprocating pump
- Design and manufacturing of a six hole drill jig Development of a Bot-bin that segregates metallic and non-metallic waste

Areas of Interest:

- Automobile Engineering
- Design engineering
- Manufacturing Engineering
- Thermal Engineering



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Nitya Padia

BTech Mechanical

Profile

Project Title/s:

- Window Cleaning Robot
- Cooling Tower Prototype
- Design and Development of Magnetic Abrasive Finishing Machine
- Manufacturing of Flange Coupling

Areas of Interest:

- Design Engineering
- Manufacturing
- Thermal Engineering
- Automation



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Pallav Kevat

BTech Mechanical

Profile

Project Title/s:

- Measurement of emissivity in vacuum chamber
- Experimental Design to find characteristic number of non newtonian fluid
- Design and manufacture of Geneva wheel
- Design and manufacture of Hydraulic torque converter
- Redevelopment of Abrasive Jet Machining
- Design and manufacturing of Pelton Wheel
- Design and manufacturing of Six Hole Drill Jig

Areas of Interest:

- Robotics
- Motorsports mechatronics
- Game development



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Preet Patel

BTech Mechanical

Profile

Project Title/s:

- Automated multilevel parking system
- Epicyclic gear train
- Centrifugal clutch
- Design of hydraulic press
- Cooling tower

Areas of Interest:

- Solar energy (Renewable energy)
- Automobile
- Robotics



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Shrey Patel

BTech Mechanical

Profile

Project Title/s:

- Heat ventilation and air conditioning(SEAS)
- Design and development of knuckle joint and turnbuckle
- Characteristics of pumps in series and parallel
- Smart leaf blower
- Fabric drying
- Designed pump characteristics experiment according to BIS standards
- CAD manufacturing of universal joint

Areas of Interest:

- Manufacturing technology
- Power plant technology
- Thermal machines
- Quality management
- Automobile Engineering
- CI/SI engines
- Fluid machines



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Manthan Shah

BTech Chemical

Profile

Project Title/s:

- Detailed study on chemical compound - 'Urea Formaldehyde Resin'
- Design the Vertical Thermosyphon Reboiler on the basis of given data
- Determining the Kinetics of Multi step iodination of Acetone(experimentally)
- Fabrication and study of heat transfer in Jacketed Stirred Vessels
- Case study on Dust Explosion at West pharmaceutical services inc., Kinston, USA

Areas of Interest:

- Petroleum refining
- Petrochemical manufacturing
- Process safety management
- Fertilizers
- Dyes and pigments
- Distillation Process
- Chemical reaction engineering
- Membrane technology
- Surfactant and cosmetic
- Food and packaging



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Shubham Pujara

BTech Chemical

Profile

Project Title/s:

- Heat Transfer in Stirred Vessel
- Study Of Energy Efficiency of different impellers
- Kinetics of multi-step Iodination of acetone
- Designing Of shell and tube heat exchanger
- Design and fabrication of micro bubble generator

Areas of Interest:

- Polymer Synthesis
- Membrane Synthesis and Characterization
- Process Safety Management
- Surfactant
- Computational Fluid Dynamics
- Chemical Engineering equipment Design
- Renewable Energy
- Ionic Liquids
- Process Optimization
- Process Modeling
- Catalysis
- Textile and Dye Industry
- Reaction Engineering



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Umang Patel

BTech Chemical

Profile

Project Title/s:

- Process simulation and sensitivity analysis of any phenol production reaction using aspen plus
- Acquire brief knowledge about Condensation polymerization.
- Case study on ExxonMobil refinery's disaster.
- Measuring the thermal conductivity of mild steel

Areas of Interest:

- Petroleum refineries
- Polymer manufacturing
- Process and safety management
- Process simulation
- Rubber technology
- Surfactant
- Heat exchanger design
- Reactor design



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Career Development Centre

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