

Meet Modi

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EDUCATION

B.Tech in Information And Communication Technology
School Of engineering And Applied Sciences,
Ahmedabad University

05/2017 - 05/2021

- (CGPA upto 3 semesters)

CGPA

2.78 / 4.0

TECHNOLOGIES

Programming Languages

C

Java

Python(Intermediate)

MATLAB(Intermediate)

Verilog(VHDL)

Android

Back-end

MySQL

PHP

Embedded - Hardware

Arduino

Raspberry-Pi

Zync FPGA

Artix-7 FPGA

MOST PROUD OF



Conducted a 2 day workshop on Robotics Operating System under Robotics And Automation Society.

For the first time, i was teaching to around 60 people, did overcome my stage fear.

PROJECTS

FPGA implementation of finding Principal Components of 32 X 32 Gray-Scale Image.

07/2018 - 12/2018 Ahmedabad University

The main motive of this project was to explore the device-side computations rather than over the cloud computations to make results faster. Outcomes:

- Successful implementation in MATLAB using Eigenvalue Approach.
- After which, developed a verilog module on Zync FPGA to generate P.C.A at the cost of clock-cycles rather than Hardware.

Face-Recognition And Indoor Localization Based Attendance System

04/2018 - 06/2018 Ahmedabad University

Main objective of this summer project was to reduce paper usage in university. We designed an Android app which uses facial recognition to authenticate student. For locating student we decided to use the indoor positioning System which checks the near-By classmate's and clusters others device RSSI to locate position.

- Technology used in project : Python, PHP, Android, MySQL, Google FaceNet, Beacons.

3D Indoor Localization based on RSSI DeepLearning Model.

01/2019 - Ongoing Ahmedabad University

Motive of this project is to locate the mobile device in a large indoor places. A Denoising Autoencoder fingerprinting approach is currently being implemented. First Approach was using a tri-lateration method of RSSI values and implementing a logistic regression on data-Set.

Technologies used : Android, Arduino BLE module, Python.

VOLUNTEERING

Vice Chair

IEEE Robotics And Automation Society

📅 05/2018 - Ongoing

I was elected and currently holding the position of Vice-Chair At Robotics and Automation Society(RAS) chapter. RAS co-ordinate various technical events like workshop and competitions around the year.

Ingenium Committee Exec-Member

Ingenium - Techfest

📅 12/2018 - Ongoing

Ingenium is an annual technological festival by Ahmedabad University.

Event Co-ordinator

IEEE WIE Student Chapter

📅 11/2017 - 11/2018

STRENGTHS



Leadership



Problem Solving Attitude



Team Management

PROJECTS

Sales Database With Custom-made SQL Syntax Using C for Fetching Records

📅 09/2017 - 11/2017 📍 Ahmedabad University

Made a sales database for hotel management and make our own application which acts as a compiler and uses custom SQL syntax to fetch data from the database. This whole project was written in C.

- Application of Data Structures like linked list, SQL Query processing, Compiler Design and File processing were used extensively.
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