

MAYANK RAJMANI

Pune, India

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Education

MIT ADT-School of Engineering

2020 – 2023

B.Tech - Computer Science and Engineering | CGPA: 7.84/10.0

Pune, Maharashtra

Dr. D.Y.Patil Polytechnic, Akurdi

2017 – 2020

Diploma - Computer Science | PERCENTGE: 87.77/100

Pune, Maharashtra

St. Xaviers School, Durgapur

2014

10th - CISCE | PERCENTGE: 76.50/100

Durgapur, West Bengal

Technical Skills

Languages: C, C++, Java, Python, HTML/CSS, JavaScript, SQL.

OS/Developer Tools: Windows, MacOS, Linux/VS Code, Git, AWS, Postman, CMake.

Technologies-Frameworks: AWS, Django, Embedded Systems, ReactJS, PlatformIO, MySQL .

Projects

Smart Emergency Alert System | *Embedded C, AWS, Django, ESP*

August 2022 - Present

- Developed a smart emergency system to notify users of hazardous gases/extreme concentration of gases/extreme temperatures and humidity.
- Developed firmware implementing object oriented code to setup and use any amount of sensors.
- Using AWS IOT Core for MQTT for facilitating message brokering to the back-end Django server.

Mood Lighting | *Embedded C, Embedded System, CPP, Flutter, Dart*

June 2021 - May 2022

- We implemented a ambient lighting automated system which can be controlled by an application enabling the display of various colour gradient pallets and animations.
- Implemented drivers for ws2812b leds for pic18f46k42 8 bit micro-controller and developed the whole firmware including BLE drivers.
- Developed supporting mobile apps using Flutter for wireless control .

Price Comparator | *Python, Django, Heruko, HTML, CSS, Javascript*

Feb 2021 - May 2021

- We developed a web page to compare the prices of a product from Flipkart and Amazon and list the top cheapest listing of the product to the user.
- Used Django with DTL to render pages server side with the required response.
- Used PaaS Heroku to take care of the hosting.
- Implemented simplistic front-end using HTML, CSS and Vanilla JS.

Experience

SAARK Customs

August 2022 - Present

Software Engineer Intern

- The SAARK Customs projects aim to invent and innovate new solutions to common safety problems which makes people life hassle free.
- Worked as team lead and managed a team of 6 designing the firmware and delegating tasks to team members.
- Integrated sensor drivers along with the business logic to the whole firmware.
- Recommend the optimal services of Cloud and manage them on AWS.

Leadership

IOT CLUB MIT-ADT

October 2022 - Present

President

- Hosted multiple workshops on IOT and Low Level programming.
- Responsible for guiding and overseeing all the activities within the club.
- Guided club members with their ideas and developing them till completion.

Extra Curricular Activities & Personal Interests

- Swimmer - (State. level competitor)
- Football - (Under 16 Forward)
- Guitarist at local band
- Piano - (intermediate level)
- Working proficiency Languages: English, Hindi.
- Known Languages: English, Hindi, Bengali, Marathi, Bhojpuri.