

SANJAY KUMAR S M

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SUMMARY

I am a computer science student (3rd year) interested in learning new technologies and implementing them in real-time for the betterment of society. I am seeking for a six month internship from July 2019 – December 2019 as part of my M.Sc., 5-year degree curriculum to gain subject knowledge and industry experiences.

QUALIFICATION

M.Sc., Computer Science Integrated (6th Sem) - CGPA - 8.69 (till 5th Sem)
College of Engineering, Guindy, Anna University.

AREAS OF INTEREST

- Android app development
- Back-end development
- Software designing and developing

TECHNOLOGY AND TOOLS

LANGUAGES: C, C++, Java & Python.

JAVASCRIPT RUNTIME: NodeJs.

FRAMEWORKS: ExpressJS, Postman.

DATABASE: MongoDB.

IDE: Android studio, Visual studio, IntelliJIDEA.

OS: Windows, Ubuntu.

ACADEMIC PROJECTS

1. Face recognition based attendance marking.

May 2018 -June 2018

- Python API for capturing an image, converting the image into an array of 128 facial features.
- If the Euclidean distance between two such face arrays is less than a tolerance value then it marks attendance for that person in DB.
- Used MongoDB and NodeJS for storing, retrieving the attendance data for different levels of user with different functionalities.
- Used JWT based authentication for each user requests.

2. Book_olx – Android app for book exchange.

Dec 2018 -Jan 2019

- Android app with login and sign up facilities.
- App allows user to post a new ad (or) delete a posted ad (or) to view all ads and fetch details of any ad.
- Used MongoDB and NodeJS for storing, retrieving and validating user credentials.
- Used token based authentication (JWT) for any request from the user to the database.
- Used ExpressJS for routing and handling requests.

3. MTC Bus Tracker using LORA & Getting Passenger count in each bus. (on going)

- LoRa is long range wireless communication protocol. The LoRa Transceiver setup in all buses will transmit the Location data.
- This data is captured by the nearby LoRa tower and then it is transmitted to a Terminal where it is uploaded on the Internet.
- Used MongoDB and NodeJS for storing locations and retrieving the data for user App with secured JWT based authentication.
- An user app for searching and Viewing Bus location.

ACTIVITIES

- Organizer of national level outreach events team (Xceed & Karnival) of CEG's technical Fest- Kurukshetra.
- An active member in NSS and organized many events.a