VIGHNESH KAMATH

CONTACT

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- Bangalore, India

TECHNICAL SKILLS

- Javascript
  - React.js
  - Express.js
  - Node.js
- C / Embedded C
- Python, Java
- MongoDB, SQL, Postgresql
- Linux
- GitHub/GitBash

ACHIEVEMENT

- Funded by college for the RFID-Based Billing System under the STIRS program
- Conducted hands on demo for ESP32 module as Member of Robotics Club
- Won Best Delegate in India International Model United Nations
- Varsity Basketball Team
- A and B National Cadet Corps(NCC) Certification

EDUCATION

B. Tech CSE (IoT) - 5th Sem Student 2022-26, Shiv Nadar University, Chennai

8.3 CGPA - 1 to 4 Sem, B.Tech
82% - XII, CBSE, DPS (E), Bangalore
88% - X, CBSE, DPS (E), Bangalore

LANGUAGES

English, Hindi, Kannada, Konkani

WORK EXPERIENCE

Software Development Intern
NicheSolve (May 2024-Ongoing)

- Developed a **WebScraping application** to extract
  - Customer reviews from target websites to analyse customer feedback
  - Customer reviews and rating specifically for EV vehicles and their mobile apps from Google PlayStore, Apple AppStore, Zigwheels, BikeDekho etc
- The above was developed using **Javascript, Node.js, Puppeteer** and associated libraries. Extracted data was stored into **MongoDB** using **Mongoose**.
- Calculated Geopoints and plotted location of rental Electric Vehicle using **POSTGIS & QGIS**

PROJECTS

RFID-Based Billing System

- Revolutionized mess billing system by eliminating traditional paper billing system to RFID based billing system
- **Won college funding under STIRS program**
- Hardware solution designed using **ESP8266 & MFRC522 RFID** modules
- Developed Backend services using **Express.js and Node.js**
- Developed Frontend using **React.js, React-Router and other React hooks**
- API integration with Googlesheets (data store)
- Student RFID swipes read and pushed to Googlesheets
- Frontend supported with
  - Computation of individual billing and display
  - Support for students to apply leave days from mess
  - Dashboard for daily attendance trends
- Duration: 6 Months
- Team Size: 1
- Executed in 2nd Semester

InSight(On Going)

- InSight is a research project to **determine eye power e.g Myopia, Hyperopia, etc from comfort of ones home**
- Approach is to estimate eye power using feedback of images an individual sees on their laptop screens
- Currently working on building the **model for correlation of eye power deviation, blurriness and image**
- I believe, this is a novel approach with many applications