Soham Mane

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EDUCATION

Vishwakarma Institute of Technology, Pune | B. Tech. Computer Science & Engineering (AI & ML) | CGPA : 8.24   2023 – 26
TKIET Polytechnic, Kolhapur | Diploma. Computer Science | 90.46%   2020 – 23

PROJECTS

Medicine Reminder System | Arduino Uno, ESP 8266, LDR Sensor, LED, Blynk Platform
- Developed and designed a IOT based portable medicine reminder system for patients to schedule their medicine dosage.
- **LDR Sensors** were used so that when the user opens the medicine box light is detected and resistance of LDR sensor is changed, which records that user has taken the medicine.
- Used **ESP8266WiFi** for WIFI connectivity of hardware prototype and communicating with the mobile app.
- Integrated **Blynk platform** to send notification to user for taking medicines.

Blind Helper | Java, XML, Google Cloud Vision API**,** Google Maps API, SQLite
- Developed a fully functional **mobile app** to assist visually impaired individuals in daily tasks.
- Implemented features such as **Optical Character Recognition**, **Image Recognition**, **Text-To-Speech** in the app.
- Designed an easy-to-use interface of the app using **XML**, in such a way that it can controlled by just speech commands and gestures.
- Managed **SQLite** database to store user login details, user preferences, connected users, speech-to-text data and performed **CRUD** operations on the data.
- Integrated **Google Maps API** with the mobile app for navigation services, which can be accessed using speech commands.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, HTML/CSS, Java, SQL
Frameworks: Flask, Django
Database: SQLite, MySQL
Tools: Git/GitHub, Android Studio

ACHIEVEMENTS, CERTIFICATIONS AND ACTIVITIES

- Participated in **INVICTA'22** Hackathon held at KIT College Of Engineering, Kolhapur organized by Team Mavericks.
- As a President of UNICS@TKIET Polytechnic, I helped organize technical as well as cultural events.
- Completed Industrial training at Softron Technology on Machine Learning.