SWAPNIL PATIL

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Education

Marathwada Institute of Technology	**June 2020 – July 2023**
Diploma in Computer Science	*Aurangabad, Maharashtra*

Vishwkarma Institute of Technology	**September 2023 – July 2026**
Bachelor's in Artificial Intelligence and Data Science	*Pune, Maharashtra*

Relevant Coursework

- Data Structures
- Web Technology
- Operating System
- Database Management
- Computer Networks
- Android

Projects

Face Mask Detection and SMS Alert System / *Python, OpenCV, NumPy, Twilio*   **September 2022**
- Developed a system capable of detecting whether a person is wearing a mask or not. In case of non-compliance, the system captures a photo and sends it to the admin.
- Designed to be utilized during periods of pandemics to maintain records and prevent the spread of infectious diseases.
- Implemented using NumPy integrated with OpenCV, and for SMS alerts, Twilio API was utilized in this project.

Chatbot Assistant Friday using Python / *Python*   **March 2023**
- Developed an Android application using Java and Android Studio to create a chatbot assistant named "Friday" for laboratory tasks , catering to the needy blind peoples
- Focused on creating a user-friendly interface and incorporating voice user interface (VUI) features to facilitate hands-free interaction.

Cric-Auction / *Java, JDBC*   **January 2023**
- Cric-Auction is a web-based application designed to facilitate the auction of players of cricket team
- This application also enables us create tournaments , add players with base price and bid for players
- This application also enables the client to easily conduct auction with paper less info store to the database

Smart Wall Clock for Continuous Air Quality Monitoring / *Arduino, IoT, ThingSpeak*   **October 2023**
- Designed a Smart Wall Clock integrated with sensors to continuously monitor the air quality within a room.
- Implemented a gas leak detection system, specifically targeting LPG gas, to alert homeowners in case of a potential hazard.
- Utilized IoT technology and integrated with ThingSpeak platform for data visualization and monitoring.
- Implemented a feature where the wall clock's lights adjust based on the air quality index, providing a visual indication of the room's air quality.

Technical Skills

Languages: Java, C++ , HTML/CSS, JavaScript, PHP, SQL , JDBC, R
Developer Tools: VS Code, Eclipse, Figma , Android Studio
Technologies/Frameworks: GitHub