Prem Shejole

+91 9579335531   -   **prem.shejole21@vit.edu**   -   **www.linkedin.com/in/shejole-prem**   **https://github.com/shejoleprem**

EDUCATION

Vishwakarma Institute of Technology   **Pune, Maharashtra, India**
B.Tech Electronics and Telecommunication CGPA: 8.85   *2021 – 2025*

EXPERIENCE

INTERN, TE Connectivity-Pune
DOJO- Digital Onboarding and Job Orientation   Aug 2024 – Present
- developed a full-stack website, Utilizing **HTML, CSS, JavaScript, and TypeScript** to create a responsive and interactive user interface.
- Implemented QR Code base Attendance system for employees.
- Implemented **server-side** logic using **Flask**, a Python web framework, to handle backend operations efficiently and Integrated **AJAX** for asynchronous data exchange, improving the website's performance and user experience.
- Designed and implemented a **PostgreSQL database** to ensure robust and scalable data management.

SAP Helpdesk Application
- Successfully gathered requirements from the Client about SAP and the Problems that they are facing.
- Designed and implemented Database on SharePoint List.
- Developed application with user-specific login on Power Apps.
- Designed power-automate flows to notify admins about overdue and newly raised tickets.

TECHNICAL SKILLS

Languages: Java, Python, SQL, HTML, CSS, JavaScript, TypeScript.
Skills: Machine Learning, Deep Learning, DBMS(MYSQL), Data Structures and Algorithms, OOP(JAVA).
Tools: Power Apps, SharePoint List, Power Automate, Raspberry Pi, Thonny IDE, pgAdmin, VS Code.
Coding Profiles: Geeks For Geeks (solved 250+ Problems), Leetcode (Solved 500+ Problems)

PROJECTS

"SkullRuksha"-Helmet Detection Based Vehicle with SMS Alert and Fall Detection   *Aug 2023 - Dec 2023*
Tech stack: Python, Deep Learning, YOLOv5, Raspberry Pi, Roboflow
- Developed a system that uses a camera fitted in the speedometer and an object detection model to detect Helmet, achieved 84.4% accuracy using YOLOv5. It prevents the motorcycle from an Accident, if no helmet is detected, then the rider can't exceed the speed 40 kmph, or else the rider can speed up to 150 kmph. The system utilizes a Raspberry Pi computer, motor driver, accelerometer, and APIs for sending notifications and tracking location.

RTO Appointment Software with Special Recognition and Priority System for Esteemed Citizens
Tech Stack: React JS, MongoDB, Flask, OpenCV, YOLOV8, OCR, Twillo, Raspberry Pi   *Dec 2024- Jan 2025*
- Developed an innovative system for RTO offices to recognize and honor special groups such as military personnel, jawans, and veterans upon arrival. Automatically identify and warmly welcome these individuals through personalized messages or announcements upon entry.

PUBLICATIONS

- 2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies 2023(ViTECoN'23) organized by **IEEE**. Link
- International Conference on Emerging Smart Computing and Informatics (ESCI) Organized by **IEEE**. Link
- AICTE & DSIR Sponsored International Conference On Smart And Innovative Development In Science, Engineering. Link

COURSES

- Full Stack Data Science Masters Program of **Physics Wallah** and **INeuron**. Link   *28 Jan 2023 – 1 June 2024*

ACHIEVEMENTS

- **Winner** in TECH TRIATLHON at TE Connectivity. Link
- **Winner** in RTO Hackathon conducted by **Govt. of Maharashtra**. Link
- **Ranked** among the **Top 5%** participants in **Coding Competition** All over India Conducted By **Physics Wallah**. Link
- **2nd Runner-Up** in the **National level** HackTopia Hackathon Conducted by GNIT Hyderabad. Link
- Secured Spot in the **top 16 teams amongst 180 participant teams** in AI-Powered PDF to Data Converter Problem Statement in Logithon Sponsored by **SoftLink Global Pvt. Ltd**. Link
- Secured Spot in the **top 9 teams amongst 55 participant teams in BlackRock HackKnight'24 Hackathon.**