PRANAV SHINDE

Mumbai, India | +91 8879425664 | pranavvvvshinde@gmail.com | Linkedin | Portfolio

---

EDUCATION

Vellore Institute of Technology, Chennai	B.Tech. Computer Science Engineering with Specialization in AI and Robotics	**8.79 CGPA**	2021-2025
Rao Junior College of Science, Mumbai	Class XII	**93%**	2019-2021
Jankidevi Public School, Mumbai	Class X	**90.16%**	2018-2019

SKILLS

- **Programming Languages:** C, C++, Java, JavaScript, React JS, SQL
- **Relevant Coursework**: Data Structures & Algorithms, DBMS, Operating Systems, Object Oriented Programming
- **Platforms:** Windows, Linux, AWS, Firebase, UI-Path (Automation), ROS
- **Tools:** GitHub, Visual Studio, MySQL

WORK EXPERIENCE

Vakrangee Limited   **May 2024 - July 2024**
Web Development Intern

- Developed a secure assessment platform using **HTML**, **CSS**, **JavaScript**, and **Firebase**.
- Integrated advanced **anti-cheat mechanisms**, including tab-switch detection, right-click, and copy-paste blocking, to ensure assessment integrity.
- Utilized Firebase for real-time database management and secure storage of assessment results.
- Designed an admin dashboard to analyze and manage employee results efficiently.
- Simulated real-world cybersecurity scenarios to promote practical learning and improve organizational security awareness.

PROJECTS

E-Muse: Emotion Driven Music Recommendation System   **Mar 2025**
Team of 2

- Leveraged the **Xception model** and **Haarcascade Classifier** for real-time facial emotion detection across seven emotion categories.
- Developed a responsive **Streamlit interface** enabling instant emotion scanning and personalized music recommendations..
- Implemented **custom sampling algorithms** to map each emotion to curated playlists, enhancing emotional relevance.
- Integrated direct song links and provided real-time feedback with detected emotions and corresponding suggestions.

Meal Maven   **Aug 2024**
Link

- Developed a recipe recommendation platform using **HTML**, **CSS**, **JavaScript**, and **Edamam API**.
- Built a dynamic search feature with **filters** for meal type and maximum calories, providing personalized recipe suggestions.
- Integrated **Edamam API** to fetch diverse recipes and ensure accurate recommendations.

Mop Bot   **March 2023**
Link, Team of 4

- Collaborated on the development of an Autonomous MopBot robot to automate **floor cleaning** tasks.
- Engineered **path-planning** algorithms and integrated **water-dispensing** mechanisms to navigate efficiently around obstacles and clean designated areas.
- Implemented a manual mode enabling remote control of the robot via a mobile interface for user-directed cleaning in complex or dynamic environments.
- The project was selected for the **Robotics Expo 2023** at VIT Chennai.

ACHIEVEMENTS & CERTIFICATIONS

- Successfully completed Training and Assessments in C, C++, Java, and SQL at VIT University, Chennai, conducted by Spoken Tutorial Projects, IIT Bombay.   **Aug 2024**
- **AWS Certified: Cloud Practitioner** (CLF-C02)**.**   **Dec 2023**
- **Streak Maestro Badge** in Coding Ninjas Coding Recap'23**.**   **Dec 2023**
- **Microsoft Azure Administrator Associate** (AZ-104).   **Nov 2023**
- Secured an **S grade** in Database Management System (**DBMS**) and **A grades** in Design and Analysis of Algorithms (**DAA**), Computer Networks (**CN**), Operating Systems (**OS**) and **Java**.   **2022**