

PRATIK SHELAR

(+91) 9822938320 | shelarpratik549+jobs@gmail.com

[GitHub](#) | [LinkedIn](#) | [Leetcode](#)

TECHNICAL SKILLS

Languages:	JavaScript, Python, C++
Web Development:	HTML, CSS, Bootstrap, Django
Database Management:	MySQL
Version Control:	Git, GitHub
Tools:	AWS, Arduino IDE
Communication:	English, Marathi, Hindi

PROJECTS

Attendance Marking System

HTML, CSS, JavaScript, Django

- The system implements a **dual-login mechanism** with separate portals for students and faculty.
- Students log in to **mark their attendance**, while faculty members log in to **manage attendance** and access additional functionalities
- A **geofencing** feature is integrated into the system to ensure that students can mark attendance only when they are within a predefined geographical area.
- The frontend of the system is designed using HTML for structure, CSS for styling, and JavaScript for **dynamic interactions**.
- **Django** manages user authentication, handles attendance data processing, and facilitates communication between the frontend and AWS services.
- While data is stored in **SQLite**, AWS services may still be utilized for additional functionalities such as file storage, authentication, or notifications, depending on the project requirements.

Vacuum Cleaner Robot

- **Development Process:** Implemented Arduino circuit with ATMEGA328PU, progressing from breadboard to PCB for a streamlined design.
- **Hardware Components:** Custom-built Arduino, integrated Ultrasonic sensor for distance sensing.
- Prototyping: Tested a fully functional Vacuum Cleaner Robot prototype.
- **Technical Skills:** Demonstrated expertise in circuit design, PCB etching, ATMEGA328PU programming, and sensor integration.
- **Achievements:** Successfully integrated Arduino, motor control, ultrasonic sensor, and a vacuum tube system to create an efficient and intelligent floor cleaning robot.

INTERNSHIP DETAILS

IBM SkillsBuild
Front-end Development

23 JAN - 6 FEB 2023

Tasks:

- Developing code using JavaScript.
- Knowledge of JavaScript frameworks to create rich interactive content.
- Develop a front-end web application using HTML/CSS and JavaScript.
- Have worked with web debugging tools (Chrome Developer Console).
- Redesign and develop an existing web site.

EDUCATION

B.E (Electronics and Communication) 2024
Trinity College of Engineering & Research, Pune
Pursuing

Diploma (Computer) 2020
AISSMS, Pune
68%

COURSEWORK

Object oriented programming, Database management system, computer network, electromagnetic field theory, digital communication, project management, Radiation & Microwave theory, Cloud computing, electronic product design.

Declaration:

I hereby declare that the above particulars are true to the best of my knowledge and relief.

Place: Pune, Maharashtra

(Pratik Shelar)