Shubhankar Parsewar

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Career Objective

A passionate and driven Computer Science student specializing in AI & ML, aiming to apply technical skills in real-world applications and contribute to impactful projects in web development, machine learning, and embedded systems.

Education

B.Tech in Computer Science & Engineering (AI & ML)
Vishwakarma Institute of Technology, Pune
2024 – 2028
Current CGPA: 8.75

Technical Skills

Languages: Python, C, C++ (learning)
Web: HTML, CSS, JavaScript, Tailwind, React (ongoing)
Tools: OpenCV, MediaPipe, Twilio, Arduino, Raspberry Pi, Git
Other: Problem Solving, DSA basics, Fuzzy Logic concepts

Projects

Golf Ball Tracking & Drop Prediction System
- Used OpenCV, MediaPipe, and regression modeling to track and predict golf ball trajectories in real-time.
- Led dataset preparation and model training tasks.
- Guided by Dr. Jyoti Khubchandani.

Fall Detection & Auto Door Unlock System (ASEP Project)
- Implemented a real-time fall detection system using MediaPipe and OpenCV on Raspberry Pi.
- Triggered alerts via Twilio and automated door unlocking with a relay and electric strike.
- Optimized performance using libcamera.

Fire Detection & Sprinkler Automation (Electromechanics Project)
- Built an Arduino-based flame detection and pump activation system.
- Included buzzer alerts and delay logic for safety automation.

Restaurant Billing System in C ("CENTRAL PERK")
- Developed a text-based billing system in C with GST calculation, payment mode tracking (Cash/UPI/Card), and sales reports.
- Used file handling and structured programming concepts.

Achievements & Extra-Curriculars

• Participated in Swaccha Pune Ideathon with project "Safaigiri SMS – Inclusive Waste Reporting"
• Created math case study presentation on Graph Theory & Network Embedding linked to Vector Spaces
• Contributed actively in college group projects & presentations

Languages

English, Hindi, Marathi