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