Parachuru Padma Sanjana

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Career Objective

Aspiring software engineer with a solid foundation in computer networks, databases, and web development. Seeking opportunities to utilize technical and soft skills in dynamic environments to contribute to impactful projects and continuous learning.

Education

Presidency University **Expected Jun 2025**
Bachelor of Engineering in Computer Science and Engineering *Bengaluru, India*

Sree Siddarameshwara Polytechnic **August 2021**
Diploma in Engineering (XII) *Tiptur, India*

Govt Girls High School **April 2019**
X *Tiptur, India*

Experience

Intern **Aug 2023 – Present**
AjursInsights Consultancy Firm *Remote*

- Roles: Web development, content writing.
- Description: Developed an AI model that processes textbook data to automatically solve user queries using Natural Language Processing techniques.
- Responsibilities: Build and maintain back-end and front-end components of web applications.

Skills

Technical Skills

Python	HTML, CSS, JavaScript	MySQL
System Testing	Operating Systems	Computer Networks

Soft Skills

Communication	Teamwork	Time Management
Leadership	Critical Thinking	Adaptability

Projects

Automatic Student Attendance System

- Built a contactless attendance system using Arduino Uno and RFID technology, allowing students to scan RFID cards to mark their attendance automatically. Added real-time absentee alerts for better attendance management.
- Technologies Used: Arduino Uno, C++, RFID
- Responsibilities: Team leader, Circuit design, System integration

Driver Alertness Detection System

- Developed a real-time system to detect driver drowsiness and alertness, enhancing road safety. Integrated Raspberry Pi 4 with a camera module to capture and process real-time video for drowsiness detection.
- Technologies Used: Python, OpenCV, Camera, Raspberry Pi 4
- Responsibilities: Implemented eye-tracking and facial recognition, developed alert mechanisms, optimized the model for real-time detection, and fine-tuned performance for accuracy and efficiency.

Publications

Driver Alertness Detection,

Published in IJIRT, Volume 11, Issue 8, Jan 2025 , IJIRT