

Adupa Srivan Kumar

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Career Objective

Final-year Information Technology student aiming for a software development role, with a focus on applying core CS concepts, solving real-world problems, and growing into a versatile engineer while contributing to impactful projects.

Education

B.E. in Information Technology

Oct 2022 – Jun 2026

Vasavi College of Engineering, Hyderabad

Technical Skills

- **Languages:** Python, C++, SQL, JavaScript
- **Core Subjects:** Data Structures, Operating Systems, Object Oriented Programming, DBMS, System Design, REST API
- **Tools:** Git, GitHub

Projects

AI-Driven Security Surveillance System (Theft Detection)

2024

Designed and developed an AI-based surveillance system to detect suspicious activities in real time.

- Built a real-time video monitoring system using Python and OpenCV for motion and object detection.
- Implemented theft detection logic by identifying unusual movement patterns in surveillance footage.
- Improved situational awareness by generating alerts for detected suspicious activities.
- Achieved 92% detection accuracy and reduced false positives by 40%

Language Translation Web App

2023

Designed and developed a web-based language translation application using Flask and Google Translation API.

- Implemented RESTful API integration to process user input and deliver accurate translations in real time.
- Built a responsive and user-friendly interface to support smooth interaction across different devices.
- Optimized request handling for fast performance under varying input sizes.

Bank Management System (Admin Panel)

2024

Designed and developed a web-based banking system to manage customers, accounts, and transactions.

- Implemented customer and account creation modules using OOPS-based backend design.
- Developed deposit, withdrawal, and fund transfer operations with balance validation.
- Integrated Supabase (PostgreSQL) to maintain transaction history and ensure data consistency.

Certifications & Achievements

- Joy of Computing with Python – NPTEL (Top 2%), Jan 2024
- Top 10 Rank – National Coding Challenge, Okhla II Campus, 2024
- Young Turks 2025 – Round 1 Achievement – Naukri Campus