

Venkata Kanna Bhavan Surya Adapa

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EDUCATION

Amrita School of Engineering, Coimbatore

B.Tech in Computer Science and Engineering

CGPA: 8.5 / 10

Aug 2023 – Aug 2027 (Expected)

TSBIE (Intermediate) — Score: 972 / 1000

2022

SSC Board — GPA: 10 / 10

2020

TECHNICAL SKILLS

- **Languages:** Python, C++, Java, C
- **Mobile/Web:** Flutter, HTML, CSS, JavaScript
- **AI/ML:** YOLO, PyTorch, scikit-learn, XGBoost
- **Core CS:** DSA, OOP, OS, DBMS, CN

- **Tools/Platforms:** Git, VS Code, Jupyter, Firebase
- **Database:** MySQL

PROJECTS

Canteen Management App (Flutter)

Flutter • Firebase • Cross-Platform App

- Built a complete canteen ordering system with separate student and admin interfaces.
- Implemented live order tracking, token workflow, and stock management with responsive UI screens.

Adaptive Learning Platform (DSA Project)

Python • Trie • Graph • Heap • CLI System

- Developed an academic learning engine using classical DSAs: Trie (search), Graph (prerequisites), Min-Heap (sequence scheduling), and Arrays (history).
- Built a menu-driven CLI and automated test suite with pytest.

Ticket Venumma — Electron Movie Booking App

Electron • HTML/CSS/JS • Desktop Application

- Desktop movie-ticket application with catalog browsing, theater selection, seat booking, and mock payment flow.
- Designed offline-first navigation and modular movie pages with integrated UI components.

Network Intrusion Detection System (ML) — WIP ML Security

• CICIDS Dataset

- Developing ML-based intrusion detection using Random Forest, XGBoost, and Autoencoder models.
- Building dashboard to upload logs, detect attacks, and provide SHAP-based explanations.

Drone Object Detection (YOLOv11)

Computer Vision • Real-time Detection

- Implemented real-time YOLOv11 object detection supporting video files, images, USB cameras, and Raspberry Pi cameras.
- Added FPS counter, confidence filtering, screenshot capture, and optional recording mode.

CERTIFICATIONS & VOLUNTEERING

Tata — GenAI Powered Data Analytics Job Simulation (Forage)

Dec 2025

- Completed AI-powered data analytics and strategy tasks for Tata iQ's Financial Services team.
- Performed exploratory data analysis (EDA), risk indicator assessment, and no-code predictive modeling.
- Designed an AI-driven collections strategy with ethical AI and regulatory compliance considerations.

- NSS Volunteer — Swachh Hi Seva, Marathon (2024), Rural Camps.

- Hospitality Manager — Anokha 2024 (Guest handling and event logistics).

- Certificate of Appreciation — Swachh Hi Seva (2024).

- Volunteer — NSS Camp (2025).