

Kaushal Ambaliya

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology - Computer Science specializing in Information Security - 9.01 CGPA

Vellore, India

2021 – 2025

Yogiraj Public School

Class 12 - 87%

Kota, Rajasthan, India

2019 – 2021

PROJECTS

Real-Time Log Analysis Using TinyBERT (LLM-powered Anomaly Detection)

- Created a **real-time LLM-based log analysis system** using **TinyBERT** for severity classification and anomaly detection on BGL logs, achieving **98.65% accuracy**, **97.78% F1-score**, and **<10 ms latency**.
- Patent filed:** Indian Patent Application No. **202541123231** for the LLM-driven log analysis and anomaly detection methodology.

ISL Alphabet Recognition using MediaPipe & Deep Learning

[Source Code](#)

- Trained a **CNN-based hand gesture recognition model** using **MediaPipe** and **OpenCV**, achieving **98.23% accuracy** on **10,000+** samples.

EMR-Platform: Electronic Medical Records System [Link](#)

- Developed a **cloud-based EMR platform** with role-based access and a fast **doctor consultation pad** to streamline prescriptions and clinical workflows.

Inventory and Order Management Platform [Link](#)

- Built and deployed a **full-stack inventory and order management system** with real-time stock tracking and role-based access.

EXPERIENCE

Freelance Software Developer

June 2025 – Present

Independent Client Projects

Remote

- Built **client-facing business automation systems**, including a **purchase bill automation platform**.
- Developed a **manufacturing inventory–production–order management system** with end-to-end ownership from design to deployment.

Software Engineering Intern

Jan 2025 – June 2025

Tark Technologies

Rajkot, Gujarat, India

- Contributed to a **cloud billing system** using **C#, Java, and SQL**, focusing on core modules, debugging, optimization, and Git-based collaboration.

TECHNICAL SKILLS

Languages: Java, C#, Python, JavaScript, SQL

Cybersecurity: IAM (RBAC, AuthN/AuthZ), Cryptography, Malware Analysis, Digital Forensics

AI / ML: TensorFlow, Keras, OpenCV, NumPy, Pandas, Scikit-learn, LLMs

Web: ReactJS, REST APIs, NodeJS

Databases & Cloud: PostgreSQL, Firestore, Azure AI Services

Tools & Concepts: Git, GitHub, OOP, DSA, Debugging

CERTIFICATIONS

AI-900: Microsoft Azure AI Fundamentals | Microsoft

[Microsoft Certifications](#)

- Validated fundamental knowledge of AI concepts, machine learning, and Azure AI services.

CO-CURRICULARS

RoboVITics Club, Technical Lead

2022 – 2024

- Led technical initiatives and **owned the design, development, and deployment of the club's Events Page Website**, supporting robotics events and operations.

TEAM ORCUS-VIT, Core Member

2022 – 2023

- Integral part of a **combat robotics team** that designs and competes with robots across India.