

Kumari Vaishnavi

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.45 | Sep 2022 - June 2026

Bhopal, Madhya Pradesh

Projects

MedAuthAI - AI Based Detection of Counterfeit Medicines | [Link](#)

August 2025

Python, YOLOv8, PyTorch, OpenCV, Ultralytics, Deep Learning

- Developed an **AI verification pipeline** to detect counterfeit medicines using YOLOv8.
- Prepared and annotated a **custom YOLOv8-compatible dataset** with two classes.
- Trained and optimized the model using **PyTorch & Ultralytics YOLO** (50+ epochs, 640×640 images).
- Enhanced pharmaceutical supply chain reliability by validating **authenticity in real time**.

VaultValue – Intelligent Inventory Management System

June 2025

Node.js, MySQL, Python (ML), HTML/CSS/JS

- Designed a **real-time inventory system** with sales & stock tracking and low-stock alerts.
- Integrated a **ML-based demand prediction** model to forecast spikes in usage and recommend replenishments.
- Delivered a **decision-making dashboard**, reducing risk of stock-outs and overstocking.

SafeKeep - Secure File Storage System | [Link](#)

March 2025

Next.js, TypeScript, TailwindCSS, Appwrite, ShadCN UI, Framer Motion

- Built a secure storage platform with OTP login, reducing onboarding drop-off by 30%.
- Integrated **Appwrite backend** with role-based permissions & JWT authenticated sessions.
- Supported **2GB file uploads** with shareable access-controlled links.
- Implemented **fuzzy search** with real-time filtering (<100ms) and preview overlays for large datasets.

Technical Skills

Languages: C++, Java, Python, JavaScript, HTML/CSS, TypeScript

Tools/Platforms: Docker, Git, GitHub, Postman, Jupyter Notebook, VS Code

Libraries/Frameworks: Node.js, Express.js, Next.js, React.js, Bootstrap, Tailwind CSS, ShadCN UI, Leaflet.js

Databases & APIs: MongoDB, MySQL, REST APIs, Appwrite

Core Skills: Object Oriented Programming, Data Structures and Algorithms, Machine Learning, Data Analysis

Achievements

- Flipkart Grid 7.0 (National Semi-Finalist) | [Link](#)** August 2025
Solved enterprise-scale challenges with AI-first approaches.
- Oracle Cloud Certified AI Foundation Associate | [Link](#)** August 2025
Achieved expertise in foundational AI concepts and Oracle Cloud AI services, demonstrating the ability to apply AI capabilities to real-world business scenarios.
- Adobe Smart India Hackathon | Team Lead | [Link](#)** June 2025
Cleared Round 1 and built an intelligent document understanding platform
- Deloitte Data Analytics Job Simulation – Forage, Jun 2025 | [Link](#)** June 2025
Gained experience interpreting and deriving insights from structured datasets.
- Walmart Sparkathon | [Link](#)** June 2025
Built a real-time inventory tracking with low-stock alerts and ML-based demand prediction to prevent shortages
- Zelestra x AWS ML Ascend Challenge | Team Lead | [Link](#)** June 2025
Forecasted solar energy generation, scored **89.86** in Phase 1.
- Amazon Smbhav Hackathon (Top 0.1%) | Core Module Owner | [Link](#)** November 2024
Built EcoExportSuite, an AI-powered export management platform.