Kumarvaishnav

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EDUCATION

VIT Bhopal University — Aug 2022 – May 2026
B.Tech. Computer Science, AI & ML Specialization — *CGPA: 8.46*

St. Mary's Inter College
Higher Secondary (12th): 82.2% — *2022*
High School (10th): 94.4% — *2020*

EXPERIENCE

Cybersecurity & AI Intern - SecLance Pvt. Ltd. — Dec 2024 – Feb 2025
Internship — *Remote*

- Analyzed security logs to detect anomalies, gaining exposure to real-world cybersecurity workflows.
- Collaborated to understand core network security concepts, including firewalls, intrusion detection systems, and authentication mechanisms.
- Explored machine learning applications in cybersecurity, contributing to documentation, tool testing, and AI-driven threat detection research.

TECHNICAL SKILLS

Programming Languages & Frameworks: Python, Java, Dart, Bash, SQL, NumPy & Pandas, Scikit-learn, Matplotlib, TensorFlow, PyTorch, OpenCV, FastAPI, Flask

Database & Tools: MySQL, Docker, Git, GitHub, Jupyter, Basic Linux, Bash Scripting, AWS (SageMaker, EC2, S3, RDS), Render, Vercel, Postman, Figma, Dreamweaver, Notion, n8n Automation

PROJECTS

Image Classifier - Udacity Project | *Python, PyTorch, torchvision, NumPy, Matplotlib*
- Built and trained a **VGG16** model to classify 102 flower categories.
- Implemented training pipeline with **PyTorch**, enabling GPU acceleration, custom hyperparameters, and model checkpointing.
- Developed prediction script for top-K class inference on new images.

Smart Resume Screener | *React, Node.js, Express, SQLite, Prisma, Google Gemini, LLMs*
- Developed an AI-powered web app automating resume screening using LLMs, semantically matching resumes to job descriptions.
- Implemented multi-resume upload, AI-based scoring, and justification generation, enabling fast, evidence-based screening of 50–200+ resumes.
- Built **React + Vite frontend** and **Express backend**, integrated Google Gemini & Groq Llama 3, optimized SQLite for sub-second queries and persistent candidate storage.

Market Basket Analysis | *Python, pandas, Apriori, Jupyter*
- Analyzed retail datasets to identify frequent itemsets and association rules using Apriori algorithm.
- Provided actionable insights into customer purchase patterns for marketing and cross-selling strategies.
- Visualized association rules and itemset relationships with **network graphs and heatmaps**.

ACHIEVEMENTS & CERTIFICATIONS

- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** | Certificate — 10 Oct 2025

EXTRACURRICULAR ACTIVITIES

- President, **D2C Igniters Club, VIT Bhopal** – Organized Foragers 3.0 and managed 200+ participants (2025).
- Core Member, **D2C Igniters Club & iOS Club** – Led the media team for flagship events like VIBES & Foragers 2.0.