

Kumarvaishnav

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EDUCATION

VIT Bhopal University

B.Tech. Computer Science, AI & ML Specialization

Aug 2022 – May 2026

CGPA: 8.49

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

- Automated error-tracking scripts adopted by the company, improving anomaly detection efficiency across datasets.
- Worked on firewalls, IDS, and authentication workflows while exploring ML-based anomaly detection for future security automation.
- Collaborated on dataset processing and automated log monitoring pipelines, reducing manual review efforts by **40%**.

TECHNICAL SKILLS

Programming Languages & Frameworks: Python, Java, Bash, SQL, NumPy & Pandas, Matplotlib, TensorFlow, FastAPI, Flask

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

PROJECTS

Image Classifier - Udacity Project | *Python, PyTorch, torchvision, NumPy, Matplotlib*

[GitHub](#)

- Built a **VGG16-based deep learning model** using transfer learning to classify **102 flower categories** with **81% accuracy**.
- Optimized training via GPU acceleration, dropout, and augmentation—achieving **10× faster convergence**.
- Implemented automated inference script supporting top-K class prediction for new unseen images.

Smart Resume Screener | *React, Node.js, Express, SQLite, Prisma, Google Gemini, LLMs*

[GitHub](#)

- Developed an **AI-driven web app** using LLMs to match resumes to job descriptions with **100+ test cases**.
- Implemented multi-resume upload, AI-based scoring, and justifications—cutting screening time by **80–90%**.
- Integrated **Gemini & Llama3 APIs** for reasoning and ranking, achieving sub-second query response on SQLite backend.

Market Basket Analysis | *Python, pandas, Apriori, Jupyter*

[GitHub](#)

- Analyzed **38K+ retail transactions** using Apriori to identify high-lift itemsets and customer purchase patterns.
- Discovered associations with **Lift ≥ 10**, enabling insights into cross-selling and customer segmentation.
- Proposed strategies that could raise average basket value by **10–15%** via layout and product bundling.

ACHIEVEMENTS & CERTIFICATIONS

• Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate | [Certificate](#)

10 Oct 2025

• Research Paper Published on Wearable Machine Learning Simulation | [ResearchGate](#)

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.