

KARAN BAID

India · karanbaid1964@gmail.com · +91 8440019114 · [GitHub](#) · [Linkedin](#)

EDUCATION

Vellore Institute of Technology
BTech Computer Science
CGPA: 7.58

Bhopal
November 2022 - Present

SKILLS

Programming Languages:	Python, C++
Platforms:	GitHub (with Github Actions), Git
Database Management Systems:	MySQL
Backend Libraries / Frameworks:	Flask,
Machine Learning Libraries:	Tensorflow , Pytorch, Numpy , Pandas
Soft Skills:	Leadership, Communication Skills, Organised, Collaborative
Languges:	English , Hindi

WORK EXPERIENCE

Machine Learning Intern — Netgraph Networking Pvt. Ltd. (Paysecure)
Duration: 8 weeks | Location: Remote
Domain: Fintech | Department: Engineering & Technology

- Built and deployed a personalized recommendation system for financial products using ML pipelines.
- Applied core machine learning concepts including data preprocessing, model training, and evaluation.
- Gained exposure to advanced AI/ML techniques and developed insights into fintech-specific use cases and data challenges.
- Collaborated with engineering team to align AI outputs with real-world fintech product structures.
- Gained hands-on experience in domain-driven ML solutioning, handling real user engagement data.

PROJECTS

Real-Time FinTech Product Recommender with Flask API December 2024

- Designed and deployed a content-based recommender system for financial products using cosine similarity on embedded metadata.
- Integrated Flask backend with real-time MySQL updates, enabling dynamic product ranking and personalized recommendations. ar product ranking based on ratings and user engagement.
- Created REST APIs for product listing and user interaction — simulating a real-world recommendation engine.
- Learned embedding-based recommendations, backend API structuring, and ML-driven personalization.
- [GitHub Link](#)

Tech Stack: Python, Scikit-learn, Flask, MySQL, Pandas

LLM-powered Cybersecurity Chatbot using LLaMA 2 & LangChain: March 2025

- Developed a domain-specific chatbot for cybersecurity education using LLaMA 2 via Ollama and LangChain
- Implemented prompt engineering, conversation memory, and dynamic response generation for real-time queries.
- Integrated a full-stack solution using Flask + HTML/CSS frontend, simulating real-world chatbot use cases.
- Deployed locally with LLM running on consumer GPU (RTX 3050).
- Gained experience in building LLM-based microservices, local deployment, and frontend-backend integration.
- [GitHub Link](#)

Tech Stack: Python, Flask, LangChain, Ollama (LLaMA 2), HTML/CSS

CERTIFICATES

Python for data science and Machine learning bootcamp by Jose Portilla. (Course Link)
End-to-End MLOps Bootcamp: Build, Deploy, and Automate ML (Course Link)