

Karan Baid

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EDUCATION

VIT BHOPAL University B.Tech in Computer Science · 7.53 CGPA	Bhopal, MP October 2022 - Present
Subodh Public School 12th Grade · 85%	Jaipur, Rajasthan April 2021 - March 2022
Subodh Public School 10th Grade · 85%	Jaipur, Rajasthan April 2019 - March 2020

WORK EXPERIENCE

Netgraph Networking Pvt. Ltd., Machine Learning Intern Duration: 8 weeks	Remote
<ul style="list-style-type: none">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.	

TECHNICAL PROFICIENCIES

Programming Languages:	Python,C++
Frameworks & APIs:	Flask, Django, FastAPI , CrewAI , Langchain , Langgraph
Data Science & ML Libraries:	NumPy, Pandas, Scikit-learn, Matplotlib, Plotly, Seaborn
Databases:	MySQL, PostgreSQL, Chroma , PineCone, FAISS
Development & Analytics Tools:	Git, Jupyter

PROJECTS

Cyber-Saarthi

GitHub Repository [↗](#)

- **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.
- **Gained experience in building LLM-based microservices**, local deployment, and frontend-backend integration. *Tech Stack: Python, Flask, Lang Chain, Ollama (LLaMA 2), HTML/CSS*

News Analysis Crew

GitHub Repository [↗](#)

- **Engineered a multi-agent AI system** using the CrewAI framework to automate the critical analysis of online news articles, simulating a professional research workflow.
- **Developed a specialized "Web Content Extractor" agent** with a custom Python tool using BeautifulSoup to parse HTML and isolate core article text from web page clutter.
- **Designed a second "AI Critical Thinking Partner" agent** tasked with performing nuanced analysis, including identifying core claims, tone, potential biases, and generating verification questions.
- **Orchestrated the agent collaboration** in a sequential process where the extractor agent retrieves content and passes it to the analyst agent for in-depth reporting and final output generation. *Tech Stack: Python, CrewAI, Pydantic, BeautifulSoup, YAML, LangChain*

CERTIFICATIONS

Gen-AI Certification by IBM Verification Link ↗
Python for Data Science and Machine Learning Bootcamp by Jose Portilla Verification Link ↗
Complete Generative AI course with Langchain and Huggingface Verification Link ↗