

# Karan Baid

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## EDUCATION

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

## WORK EXPERIENCE

<b>Netgraph Networking Pvt. Ltd., Machine Learning Intern</b> Duration: 8 weeks	<b>Remote</b>
<ul style="list-style-type: none"><li>Built and deployed a personalized recommendation system for financial products using ML pipelines.</li><li>Applied core machine learning concepts including data preprocessing, model training, and evaluation.</li><li>Gained exposure to advanced AI/ML techniques and developed insights into fintech-specific use cases and data challenges.</li><li>Collaborated with engineering team to align AI outputs with real-world fintech product structures.</li><li>Gained hands-on experience in domain-driven ML solutioning, handling real user engagement data.</li></ul>	

## TECHNICAL PROFICIENCIES

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

<b>Gen-AI Certification by IBM</b> Verification Link <a href="#">↗</a>
<b>Python for Data Science and Machine Learning Bootcamp by Jose Portilla</b> Verification Link <a href="#">↗</a>
<b>Complete Generative AI course with Langchain and Huggingface</b> Verification Link <a href="#">↗</a>