

# Nitij Taneja

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4th year Integrated M.Tech student with hands-on experience in Agentic AI, RAG, LLMs, and Generative AI.  
Proven ability to apply skills in parallel, gaining real-world startup experience alongside a rigorous education.

## Work Experience

<b>Blue Briar Consulting OPC Private Ltd</b> , Remote <i>Junior Data Scientist</i>	<i>Aug 2025 – Present</i>
<b>ApexIQ AI Solutions and Innovations Pvt Ltd</b> , Remote <i>Data Science Intern</i>	<i>Oct 2024 – July 2025</i>
<b>CloudyML E-Learning Pvt Ltd</b> , Remote <i>Data Science Intern</i>	<i>Dec 2023 – Mar 2024</i>

• Developed practical coursework for Generative AI, focusing on **LangChain**, **CrewAI**, and **Agentic AI** frameworks.  
• Built multi-agent orchestration prototypes using the **Google AI SDK (ADK)** with **RAG**, sequential, and parallel agent workflows.

• Promoted to **Project Head**; led backend for **Tattvaiq** (Call Analytics) using **Django**, **Whisper**, & **Mixtral**.  
• Built **Django** backend APIs for **Vyasaiq** (AI Accounting) and **FastAPI** backend for **CitizenU** (Microblogging).

• Mentored 100+ learners in **Python**, **R**, **Statistics**, **Machine Learning**, **Deep Learning**, and **NLP**, providing coding guidance through Zoom sessions, data science concepts, and help with project implementation and deployment workflows.

## Skills

<b>GenAI &amp; Agentic AI:</b>	LangChain, LangGraph, GraphRAG, CrewAI, Autogen, Google AI SDK, Generative AI, LLMs, RAG, LlamaIndex, ReAct, Prompt Engineering
<b>ML/DL &amp; Algorithms:</b>	PyTorch, TensorFlow, Scikit-learn, Neural Networks, Attention, Transformers, CNN, LSTM, Random Forest, Logistic Regression, KNN, SVM, PCA
<b>Backend &amp; DevOps:</b>	FastAPI, Django, Flask, Docker, Kubernetes, CI/CD, MLOps, AWS, Git/GitHub, MLflow, LangSmith, API Development
<b>Languages, Tools &amp; Certs:</b>	Python, SQL, R, C++, Java, Streamlit, MongoDB, PowerBI, Tableau, Firebase, Hugging Face, Data Science Masters (PWskills), Applied Machine Learning in Python (U-Michigan)

## Projects

<b>Research Paper Classification and Journal Recommendation</b>	<a href="#">Code</a>
– Built an NLP system to analyze research paper <b>publishability</b> using readability/sentiment and match papers to journals via <b>Sentence Transformers</b> .	
<i>Tech Stack: Python, Scikit-learn, NLTK, spaCy, PyPDF2, Sentence Transformers</i>	
<b>SmartShop.ai – AI-Enhanced E-Commerce Platform</b>	<a href="#">Code</a>
– Engineered a full-stack <b>FastAPI</b> & <b>Streamlit</b> e-commerce site with an AI chatbot for real-time price negotiation via <b>Together AI</b> .	
<i>Tech Stack: Python, FastAPI, Streamlit, Together AI, Pandas</i>	
<b>SafeSphere – Community Safety Risk Modeling System</b>	<a href="#">Code</a>
– Developed a <b>CNN-LSTM</b> model for commuter safety risk assessment with a <b>Folium</b> map-based visualization frontend.	
<i>Tech Stack: Python, FastAPI, Streamlit, Scikit-learn, Folium, GeoPy, Pandas</i>	

## Education

<b>Integrated M.Tech in Computer Science and Engineering</b> , VIT Bhopal University	<i>2022 – 2027 (Ongoing)</i>
Specialization: Data Science and Computational Thinking	CGPA: 8.56

## Achievements

• Secured <b>Rank 23</b> (Top 50/1500+) in the Zelestra x AWS ML Ascend Challenge – Second Edition.
• Advanced to Round 2 (from 10k+ registrations) in IIT Kharagpur Data Science Hackathon (2024 & 2025).
• Published a technical article on Federated Learning on <b>StackAbuse</b> .
• Led team to 1st place (out of 40) in Stock Quest competition, VIT Bhopal.
• Established data science content channels ( <b>YouTube</b> , <b>Instagram</b> ) to 5k+ views.