

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

Blue Briar Consulting OPC Private Ltd, Remote Aug 2025 – Present
Junior Data Scientist

- 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.

ApexIQ AI Solutions and Innovations Pvt Ltd, Remote Oct 2024 – July 2025
Data Science Intern

- 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).

CloudyML E-Learning Pvt Ltd, Remote Dec 2023 – Mar 2024
Data Science Intern

- 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

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

Projects

Research Paper Classification and Journal Recommendation [Code](#)
– Built an NLP system to analyze research paper **publishability** using readability/sentiment and match papers to journals via **Sentence Transformers**.

Tech Stack: Python, Scikit-learn, NLTK, spaCy, PyPDF2, Sentence Transformers

SmartShop.ai – AI-Enhanced E-Commerce Platform [Code](#)
– Engineered a full-stack **FastAPI** & **Streamlit** e-commerce site with an AI chatbot for real-time price negotiation via **Together AI**.

Tech Stack: Python, FastAPI, Streamlit, Together AI, Pandas

SafeSphere – Community Safety Risk Modeling System [Code](#)
– Developed a **CNN-LSTM** model for commuter safety risk assessment with a **Folium** map-based visualization frontend.

Tech Stack: Python, FastAPI, Streamlit, Scikit-learn, Folium, GeoPy, Pandas

Education

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

Achievements

- Secured **Rank 23** (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 [StackAbuse](#).
- Led team to 1st place (out of 40) in Stock Quest competition, VIT Bhopal.
- Established data science content channels ([YouTube](#), [Instagram](#)) to 5k+ views.