

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

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

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| 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

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| 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 . | |
| <i>Tech Stack: Python, Scikit-learn, NLTK, spaCy, PyPDF2, Sentence Transformers</i> | |
| 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 . | |
| <i>Tech Stack: Python, FastAPI, Streamlit, Together AI, Pandas</i> | |
| SafeSphere – Community Safety Risk Modeling System | Code |
| – Developed a CNN-LSTM model for commuter safety risk assessment with a Folium map-based visualization frontend. | |
| <i>Tech Stack: Python, FastAPI, Streamlit, Scikit-learn, Folium, GeoPy, Pandas</i> | |

Education

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

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| • 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. |