

Nikita Babbar

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EDUCATION

Bachelor of Technology in AI & Data Science Guru Gobind Singh Indraprastha University, East Delhi Campus CGPA: 8.73 / 10	2022 – 2026
Kamal Model Sr. Sec. School, New Delhi Class XII: 94.8% Class X: 93.6%	2019 – 2022

SKILLS

- Core Expertise:** Machine Learning, Deep Learning, NLP, LLMs, Generative AI, Agentic AI, Data Visualization
- Programming Languages & Database:** Python, C++, MySQL
- Libraries & Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, NLTK, LangChain, Langflow, Chromadb, FAISS
- Other Skills:** Prompt Engineering, Model optimization, Agentic workflows, Cross-functional collaboration, Analytical problem-solving

EXPERIENCE

Generative AI Intern, Coding Ninjas	Gurugram (June 2025 - Oct 2025)
• Prototyped proof-of-concepts using LangChain, OpenAI, and RAG workflows, delivering a multi-agent mock interviewer system that increased user satisfaction by 50%.	
Machine Learning Research Intern, GGSIPU	New Delhi (June 2024 - Aug 2024)

- Developed a healthcare solution using IoT-Fog architecture for real-time chronic disease prediction.
- Key Contribution:** Conducted exploratory data analysis (EDA) and feature engineering; optimized ML models across 5+ datasets, improving prediction accuracy from 50% to 85%.

NOTABLE ACHIEVEMENTS

- 1st Runner-up: IMC Open Gateway Hackathon (GSMA & Nokia)** - awarded a cash prize of Rs 3 lakh.
- 4th Place National Winner: TruthTell Hackathon (Government of India)** - developed a multi-agent misinformation detection system and earned the opportunity to present the solution at the WAVES Summit 2025.
- Top 50 Global Winner: IBM TechXchange Hackathon 2025**
- EY Techathon 5.0 Finalist** – ranked among the top 11 teams nationally out of 150,000+ participants.
- Amazon Sambhav Hackathon Semi-Finalist** – Ranked in the top 137 out of 107,000+ participants.
- Open Source Contribution** – Contributed to 3+ open source projects during GirlScript Summer of Code 2024, including an interactive Stack Overflow dashboard analyzing developer trends.

PROJECTS

LIVETRUTH: Real-Time Misinformation Detector | GitHub

- Architected a real-time fact-checking pipeline using **Agentic RAG approach** and **Firecrawl** to dynamically scrape and cross-reference 10+ live sources, automating reliability assessments and generating confidence scores.
- Key Contribution:** Orchestrated a multi-agent architecture from scratch using LangChain, Pydantic and Gemma-2; iteratively refined system prompts and retrieval loops to achieve 85% accuracy.

INSPIREHER: AI Startup Guide for Women | GitHub

- Built an AI-driven platform that supports rural women entrepreneurs through an AI chatbot, phone-call assistance, and multilingual accessibility.
- Programmed an LLM-based chatbot using Retrieval-Augmented Generation (RAG), reducing user query response time by 40% and increasing overall user satisfaction by 95%.

LEADERSHIP ROLES

General Secretary, IEEE-WIE GGSIPU-EDC	2024 – 2025
General Secretary, 1M1B (UN-based organization) – IPU GGSIPU-EDC	2024 – 2025