SHINE GUPTA

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EDUCATION

- **Bachelor of Technology in Information Technology** — *GPA-9*
  KIET Group of Institutions, Delhi NCR — Nov'2022-June'2026
- **Senior Secondary** — *Percentage-95.8%*
  CJ DAV Centenary School (CBSE), Meerut, U.P — April'2021 -July'2022

SKILLS

- **Programming Languages:** C, C++, Python, MySQL, PostgreSQL, Javascript(Novice)
- **Frameworks:** React, Next.js, Node.js, Flask, FastAPI
- **Data Science:** scikit-learn, PyTorch, TensorFlow, Transformers, XGBoost, LLMs (OpenAI, Mistral, Claude), RAG, MLOps, AI Agents, Model Context Protocol, Web Scraping
- **Version Control & Other Tools:** Git, Docker, Bash, Kubernetes, VS Code, Postman

EXPERIENCE

- **Turing** — *October'23 - Present*
  Data Scientist — California, United States
  ◦ Enhanced LLM-driven software performance, increasing multi-turn conversation quality by **35%** using prompt engineering and response tuning. Built internal dev tools using Python, Postgres, and Neo4j for scalable evaluations and experimentation
  ◦ **Tools Used:** Transformers, FastAPI, PostgreSQL, Git, Docker, JavaScript

- **Defence Research and Development Organisation [Website]** — *January'2025 - May'2025*
  Research Trainee — Delhi, India
  ◦ Leveraged web scraping to extract and process 50,000+ data points from the DRDO website creating a comprehensive knowledge based for the AI customer support agent.
  ◦ Built an AI knowledge assistant with RAG pipelines (LangChain + LLMs) and automated DRDO content processing.
  ◦ Deployed via Docker, integrated APIs, and implemented full logging/debug layers with Git and Bash.

- **Business Quant** — *June'2023 -September'2024*
  Machine Learning Engineer — Delhi, India
  ◦ Improved PaddleOCR extraction precision by **20%** by fine-tuning models on currency-specific datasets created using NLTK and openAI.
  ◦ Applied custom NLP parsing algorithms on financial reports to automate metrics extraction, cutting time by **30%**.

PROJECTS

- **CareMate – AI-Powered Chronic Disease Monitoring & Remote Care** — *April'2025*
  Tools Used: OpenCV, Raspberry Pi, Arduino, TTS APIs, LLMs, Transformers — [Github]
  ◦ Built a remote monitoring system using health sensors + LLMs to generate personalized health insights.
  ◦ Integrated LLMs with structured data to generate AI-driven responses and insights based on symptoms and historical vitals.

- **CyberRakshak – AI-based Cybercrime Prediction System** — *July'2023*
  Tools Used: Machine Learning, Deep Learnign, TensorFlow, Keras, Flask, Flutter, Firebase, Python — [Github]
  ◦ A cybercrime risk prediction model with **82%** accuracy, integrating real-time risk scoring.
  ◦ Managed end-to-end software pipeline from model training to mobile UI deployment, leading a team of 5.
  ◦ Won Innotech 2023 Award with this project and get connected with the cyber peace cell of Ghaziabad.

ACHIEVEMENTS

- **Winner – 5G Beyond Hackathon 2023 (Ministry of Telecommunications** Awarded 1,00,000 for developing.
- **Ranked 87th Nationwide – Amazon ML Challenge** at Amazon.
- Solved 600+ DSA question and achieved **1600+** Rating on Leetcode and become **Pupil** on Codeforces
- Winner at **Innotech'23(Prize Money - INR 8k)** *(Dec'23)*
- Scholarships: • AICTE Pragati Scholarship – 50,000 • LG Life's Good Scholarship – 1,00,000 for academic excellence
- Winner of ScriptedByHer Meesho Hackathon among 50000 candidates.

LEADERSHIP EXPERIENCE

- **Technical Coordinator**
  School of AI, ML & DS, KIET
  ◦ Spearheaded workshops and tech talks focused on deep learning, NLP, and GenAI tools for over 500+ students.

- **Lead Organizer – Major Tech and Cultural Events at KIET**
  School of AI, ML & DS, KIET
  ◦ Orchestrated flagship events including Endeavour'23, Model United Nations (MUN), and multiple AI/ML seminars.
  ◦ Coordinated logistics, PR, and speaker outreach, impacting 1,000+ students and external participants.