

Naman Jain

Portfolio | [GitHub](#) | [LinkedIn](#)

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EDUCATION

- **Delhi Technological University** New Delhi, India
B.Tech in Electrical Engineering | CGPA: 8.8 2024 – 2028
- **Amity International School** New Delhi, India
Class XII: 96.0% | Class X: 99.4% 2022 – 2024

EXPERIENCE

- **TestingXperts** India
Generative AI Summer Intern June 2025 – August 2025
 - Built a FastAPI + React platform with secure session-based authentication (HttpOnly cookies, CSRF, Google OAuth).
 - Developed AI-driven question generation using OpenRouter and sentence-transformers, reducing hallucinations by **99%**.
 - Engineered automated report generation with weak-area detection and personalized learning paths.
 - Implemented adaptive assessments with real-time scoring and anti-cheating mechanisms.

PROJECTS

- **StyleSphere** — Multimodal Fashion AI, Virtual Try-On, Semantic + Heuristic Search (**2025**) [[Github](#)]
 - Developed a multimodal fashion assistant enabling virtual try-on, clothing extraction, sleeve editing, and fabric overlay by integrating HR-VITON with CBAM attention modules.
 - Achieved SSIM **0.91**, LPIPS **0.12**, and **+18%** CLIP similarity across **1,200+** images; built CLIP + Pinecone semantic fashion search reducing latency to **<1.2s**.
 - Designed StyleRAG using LLaMA3 for multimodal queries, enabling natural Q&A on outfit recommendations with an **84%** relevance score.
- **NxtDevs** — RAG-based Question Generation Engine [[Website](#)] [[Github](#)]
 - Implemented RAPTOR + Adaptive RAG using LangChain for context-aware interview question generation.
 - Integrated real-time facial behavior, sentiment, and speech analysis (team effort).
 - Reduced question repetition and improved topic diversity via adaptive chunking and retrieval tuning.
- **DeepShield** — Deepfake Detection System [[Github](#)]
 - Designed a multi-stage deepfake detection pipeline using ESRGAN, MTCNN, ResNeXt50, and LSTM.
 - Integrated super-resolution, face alignment, spatial feature extraction, and temporal modeling.
 - Achieved **0.926 AUC**, **85%** recall, and **83%** F1-score on benchmark datasets.

TECHNICAL SKILLS

- **Languages:** C++, Python, HTML, CSS, JavaScript, React, Typescript, SQL
- **ML / AI:** NumPy, Pandas, Scikit-learn, TensorFlow, OpenCV, CLIP, LangChain
- **Backend & Databases:** FastAPI, Supabase, PostgreSQL, MySQL, Redis
- **DevOps & Tools:** Docker, Celery, Linux, Git, VS Code, Jupyter, Arduino IDE

ACHIEVEMENTS

- Top **30** out of **2500+** teams at Hack4Delhi for Railway Tampering & Anomaly Detection.
- Selected among Top **60** startups out of **700+**, awarded **Rs1,00,000** funding by DTTE, Govt. of Delhi.
- Secured **3rd** place at Nano Navigator Micromouse Competition, APOGEE **2025** (BITS Pilani).

CERTIFICATIONS

- Machine Learning Specialization — **DeepLearning.AI**
- Deep Learning Specialization — **DeepLearning.AI**
- Generative Adversarial Networks Specialization — **DeepLearning.AI**
- Generative AI with LLMs — **DeepLearning.AI**