

Naman Jain

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🌐 <https://namanjain27.github.io>

AI Engineer with a strong backend foundation (Java, Python) and hands-on experience building full-stack, multi-agent AI products. Skilled in designing, deploying, and optimizing LLM-powered applications end-to-end.

EDUCATION

Indian Institute of Technology Kanpur
Bachelor of Technology, Materials Science and Engineering

Nov'20 - Jun'24
CPI: 7.8/10

WORK EXPERIENCE

Ingram Micro | *Software Engineer*

Jul'24 – Jul'25

- Implemented and enhanced microservices in Spring Boot for global catalog management processing bulk data
- Offloaded heavy lookups from PostgreSQL to **Elasticsearch**, reducing query latency by **80%** on large datasets
- Scaled data export via **BigQuery** + GCS merging to deliver **1M+** records in under **10s** for analytics jobs
- Designed validation engine with async multi-threading and alerts to improve reliability and reduce manual checks

LTIMindtree | *Software Developer Intern* | Received a **pre-placement offer (PPO)**

May'23 - Jul'23

- Implemented features for an AI chatbot using **Azure Cognitive Services** to automate internal IP queries
- Tuned **CLU model** thresholds and coded data ingestion scripts, improving response accuracy and saving time

SURGE 2022, IITK | *ML Research Intern*

May'22 - Jul'22

- Trained regression models predicting Ti-Al alloy creep curve plots from **scraped** experimental data
- Applied **PCA**-based feature selection to raise prediction accuracy and model interpretability

PROJECTS

BFSI claim verification agent 🔄 📺

Jul'25 – Oct'25

- Copilot that automates claim verification and query handling for BFSI clients using langgraph & **advanced RAG**
- Engineered a **5 node** workflow with **JIRA** ticket creation tool, automating incident entry and status tracking
- Implemented score-based **reranking** and memory **summarization** for consistent multi-turn query handling
- Used **hybrid search** on structured policy data and RAG. Deployable as SDK with multi-tenant support and **RBAC**

RestroPilot - restaurant reservation management agent 🔄 📺

Oct'25 – Nov'25

- Developed a **3-node** agentic workflow from **scratch** using **A2A** protocol and JSON-based tool calling
- Engineered prompts as a small model - **Llama 3.3-8B** was used; Employed LangSmith tracing for monitoring & eval
- Built robust ops for availability, booking, waitlist actions on DB; deployed with Streamlit UI for **50+** branches.

TrackX – Personal Finance Management App 🔄 📺

May'25 – Aug'25

- Built a FastAPI + React app with user-centric features like saving goals, bank statement import, category prediction
- Integrated an AI assistant (LangChain + Gemini) enabling insights using past trends; Deployed using Docker & AWS
- Employed **JWT auth**, refresh token for security and session management & **cron**-based summary reports via email

Territorial Attack – Android Game 🎮 📺 | Game Development Club, IITK

Jun'21 - Aug'21

- Led a 6-member team to build a 2D shooter using **Unity** Engine; achieved **1K+** downloads on google **playstore**

SKILLS

- **Languages:** Java, Python, C++, C#, JS, SQL, Typescript, MATLAB
- **Frameworks:** Spring Boot, FastAPI, React, PyTorch, LangChain/LangGraph
- **Tools & Infra:** Docker, GCP, AWS, vectorDB, Postgres, Elasticsearch, HuggingFace, Unity

ACHIEVEMENTS AND LEADERSHIP EXPERIENCES

- Selected for Summer Research 2024 in National Tsing Hua University - **NTHU, Taiwan** among **10** students globally
- **Founder, MatSoc – The Materials Society, IITK** — community driving events, student-alum-prof connect
- **Coordinator, Game Development Club, IITK** — Led a 3-tier team with workshops, game jams, projects
- Contested for **GenSec Science and Technology**; Narrowly missed victory by 9 votes out of 3600 active voters