

Kanishk Kumar

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

EDUCATION

Netaji Subhas University of Technology (NSUT), New Delhi
B.Tech in Computer Science and Engineering with AI

2022 – 2026

CGPA: 8.14

EXPERIENCE

Software Developer Intern – Suvik Technologies

May 2025 – July 2025

- Architected a fully responsive corporate platform using Next.js and Tailwind CSS, elevating the global SEO score by approx. 30% and slashing initial page load latencies by approx. 40%.
- Engineered secure Express.js RESTful APIs integrating validation layers for corporate contact handling and automated notification email workflows.

TECHNICAL PROJECTS

• DeepHire – Smart Job Search Platform

- Engineered a low-latency recruitment platform using Next.js, FastAPI, and Groq-hosted Llama models, utilizing Redis in-memory caching and MongoDB for optimized data pipelines.
- Boosted semantic job-match accuracy by 20% via prompt optimization while establishing system observability through Prometheus metrics and backend latency tracking.

• AI Knowledge Base Copilot (RAG-based LLM App) | [Live Demo](#)

- Designed and deployed a full-stack Retrieval-Augmented Generation (RAG) platform using Next.js, FastAPI, and MongoDB Atlas to enable natural language Q&A over uploaded PDF documents.
- Integrated Groq-based LLAMA low inference model to generate grounded answers with source citations and page references through an interactive chat interface with real-time responses.

• AI Shopping Agent with Multimodal Search

- Built a multimodal AI shopping agent using Next.js, FastAPI, LangGraph, and Groq-hosted Llama models with memory, tool calling, and multi-step agent workflows for real-time text and image-based product discovery using PostgreSQL as Database.
- Implemented semantic retrieval using Supabase (pgvector), converting user queries and product inventories into dense vector embeddings for highly accurate product matching.

TECHNICAL SKILLS

Languages: C++, Python, JavaScript

AI & Machine Learning: PyTorch, LLM Applications, RAG Systems, Agentic AI

Web Development: React.js, Next.js, Node.js, FastAPI, Tailwind CSS

Databases & Caching: MySQL, PostgreSQL, MongoDB Atlas, Redis

Data analytics: NumPy, Pandas, Power BI

Tools & Platform: Linux, Bash, Git, Docker, GitHub Actions, Prometheus, Google Cloud Platform

ACHIEVEMENTS

- Candidate Master on **Codeforces** (Max Rating: 2048) — [Profile](#)
- 5 star on **CodeChef** (Max Rating: 2024) — [Profile](#)
- Blue tier on **Atcoder** (Max Rating: 1736) - [Profile](#)
- 800+ questions on **Leetcode** — [Profile](#)
- Elite + Gold Medal (NPTEL)**: Ranked in the top 5% national tier for the "Data Analytics with Python" course certification issued by IIT Roorkee.

EXTRA-CURRICULAR

• Technical Mentor & Organizer | Google Developer Student Clubs (GDSC), NSUT

(March 2024 – April 2026)

- Led technical initiatives as Co-Tech Head for GDSC, designing comprehensive curricula and conducting technical boot-camps on Machine Learning, Data Structures, and Algorithms for college peers.

• Competitive Chess & Leadership

(April 2024 – Dec 2025)

- Coordinated the Satranj (Chess) Society , organizing tournaments for over 200 participants.
- Achieved a **2200+** rating on Chess.com, and Zonal-level Gold Medalist at school.