

Apoorv Mittal

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🔗 Codeforces (1550) | 📄 Leetcode (2091) | 📄 CodeChef (1728)

EXPERIENCE

Mappls

June 2025 – August 2025

Software Engineering Intern

- Designed an Indian address parsing pipeline (spaCy NER + rule-based KB enrichment) supporting **18+ formats**.
- Built a **RAG pipeline** retrieving candidates to refine output via an LLM, deployed via FastAPI with JSON parsing.

EDUCATION

Jaypee Institute of Information Technology, Noida

2023 - Present

Bachelor of Technology, Computer Science and Engineering

CGPA: 9.13

Arwachin International School, Delhi

2021 - 2023

Senior Secondary

Percentage: 94.6

PROJECTS

QueryNest – Smart File Search App • [Github](#)

September 2025

Tech Stack: Flutter, Dart, Python, FastAPI, FAISS, HuggingFace Embeddings, Vector Search, PostgreSQL (Supabase)

- Implemented a FastAPI backend integrating FAISS vector search + PostgreSQL (Supabase) for semantic retrieval.
- Engineered a HuggingFace embedding pipeline enabling meaning-based search over basic filename matching.
- Designed a cross-platform Flutter client supporting natural language queries across large file sets.

BlindCode – Gamified Coding Platform • [Github](#)

April 2026

Tech Stack: Tauri, React, Node.js, Express, MongoDB, Piston (Docker), AWS EC2, Turborepo

- Built a blind coding platform with per-line visibility and anti-cheat penalties for peeking, tab-switching and copy-paste.
- Integrated Piston via Docker on AWS EC2 for sandboxed, multi-language code execution.
- Hosted a live in-person contest with 70+ participants competing across 10+ problems.

EcoWeave – AI-driven Sustainable Fashion Platform • [Github](#)

August 2025

Tech Stack: FastAPI (REST API), Python, React, MongoDB, Material Scoring Models, REST APIs

- Developed a PoC mapping designers to ethical suppliers using AI-based material sustainability scoring.
- Architected a modular FastAPI backend with endpoints for supplier recommendations and recycled-material lookup.
- Created a React frontend showcasing material insights, and procurement flows using representative demo data.

SKILLS

Languages : C++, Python, JavaScript, TypeScript, C, C#, SQL, Kotlin

Core CS : Data Structures & Algorithms, Operating Systems, Computer Networking, DBMS

Frameworks & Databases : React, Flutter, Express, FastAPI, MongoDB (NoSQL), Firebase

Tools : Node.js, Git, GitHub, Postman, VS Code, AWS, Docker

ACHIEVEMENTS

- First Place** at **IIT Delhi's Tryst'25**, organized by Mappls MapmyIndia with an **internship offer**.
- Second Place** in **Opencode'25** (IIIT Allahabad), **175+ PRs** merged across backend, cybersecurity, etc.
- Second Place** in **Execute 25.1**, a CP competition conducted by Knuth, IIIT, as a team of two.
- Secured **3rd rank** in **CyberGeek CTF Competition**, by **Geek Haven, IIIT Allahabad**.

POSITIONS OF RESPONSIBILITY

IEEE, Student Branch, IIIT ([Technical CSE Head](#))

June, 2024 - Present

- Mentored **300+ students** on GenAI/Streamlit; led cross-functional execution of IEEE website development, coding events, and hackathons.

DSC, IIIT ([Core Team](#))

July, 2024 - May, 2025

- Conducted Android Dev workshop for **100+ students**, hackathon for **250+ students**, and other technical events.