

ANURANJAN JAIN

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🌐 [LinkedIn](#) · 🐙 [GitHub](#) · 🌐 [GFG](#) · </> [LeetCode](#) · 🏆 [Codeforces](#)

TECHNICAL SKILLS

Languages: Python, C/C++, SQL

AI/ML: PyTorch, TensorFlow, NLP, Generative AI, Deep Learning, Vector Search, Recommendation Systems

Backend & APIs: FastAPI, Flask, Django, REST APIs, Ollama

Databases & Retrieval: MariaDB, MySQL, ChromaDB, SQL CTEs, Semantic Retrieval

Cloud & Tools: Linux, Git, GitHub, AWS, GCP

Frontend: HTML5, Tailwind CSS

EDUCATION

B.Tech in Computer Science Engineering (AIML)

2023 – 2027

Vellore Institute of Technology(VIT) Bhopal

CGPA: 7.78/10

PROJECTS

FlightIQ — AI Flight Intelligence & Route Optimization [\[GitHub\]](#)

- Built semantic retrieval pipeline using **Sentence Transformers** and **MariaDB VECTOR** indexing for large-scale flight similarity search
- Developed hybrid recommendation engine and natural language SQL querying using locally hosted **Llama 3.2 via Ollama**
- Designed graph-based route optimization using **Dijkstra's Algorithm + Recursive SQL CTEs** across **7K+ airports and 6K+ routes**
- Built backend inference APIs using **FastAPI + MariaDB** for real-time analytics and monitoring

Cognix — AI Semantic Retrieval & Intelligent Cache System [\[GitHub\]](#)

- Developed semantic retrieval and intelligent caching system using **FastAPI, ChromaDB, and Sentence Transformers**
- Implemented **Gaussian Mixture Model (GMM)** clustering for optimized semantic grouping and retrieval efficiency
- Built vector-based search pipelines processing **20K+ documents** with low-latency embedding retrieval
- Designed scalable backend services for contextual query handling and embedding management

CO-CURRICULAR

Project Admin, GSSoC'26 — LegalEase

Apr 2026 – Present

- Managing contributor reviews, issue tracking, repository workflows, and technical coordination for the LegalEase open-source project
- Assisted in backend development, AI workflow integration, and collaborative feature planning across development teams

Technical Team Lead, Mozilla FireFox Club VITB

Feb 2026 – Present

- Leading technical initiatives, event coordination, and development activities within the club
- Hosted and managed a real-life *Among Us* event with large-scale participant coordination and gameplay operations

Technical Team Member, MERN Stack Club — VIT Bhopal

July 2025 – Present

- Built ID card generation platform used by 800+ participants (15k+ views)
- Judge for Round 1 and Final Round of *DawnOfCode*; supported full technical operations

Open Source Contributor

Apr 2024 - Oct 2024

- Ranked among Top 1000 contributors nationwide in **GSSoC Extended 2024**
- Contributed fixes and enhancements across multiple open-source repositories during Hacktoberfest 2024

ACCOMPLISHMENTS

- IEEE Beyond Level 0 Hackathon : **Runner-up**
- Flipkart Grid 7.0 : Qualified Round 1 and Flipkart Grid 6.0 : Qualified Round 2
- Smart India Hackathon 2025 : Internal Round Finalists