Aditya Aryan

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EDUCATION

National Institute of Technology, Jamshedpur   2024–2027
Masters of Computer Applications (CGPA: 9.06)

Patna College, Patna University   2020–2023
Bachelors of Computer Applications (CGPA: 8.71)

TECHNICAL SKILLS

Languages: C++, JavaScript(ES6+), Python
Frontend: HTML5, CSS3, React.js, Next.Js, Tailwind CSS
Backend: Node.Js, Express.Js, REST APIs
DataBase: MongoDB, Firebase, SQL, PostgreSQL
Tools and Platform: Git, GitHub, Postman, VS Code, Docker

EXPERIENCE

Shikom Solutions |*Web Development Intern, MERN*   2025–Present

- Developing production-ready **web applications and custom widgets** designed to run inside the **Zoho ecosystem** (CRM and related platforms).
- Integrating frontend widgets with backend services and databases, ensuring secure data handling and smooth in-app performance.

PROJECTS

SourceSeek |*GenAi, React, TypeScript, Node.js, PostgreSQL, Hugging Face*   **GitHub** | **Demo**

- Built a full-stack **GenAI code intelligence platform** enabling natural-language queries over GitHub repositories using a **RAG pipeline**.
- Implemented **repository ingestion and semantic search** with **AST-based function-level chunking** and **Hugging Face embeddings** stored in **Supabase PostgreSQL (pgvector)**
- Designed a **hybrid LLM response layer (Hugging Face + Gemini)** ensuring source-grounded explanations strictly derived from retrieved code context.
- Engineered an interactive **3-panel graph-based repository explorer** using **react-flow**, supporting hierarchical navigation and precise code highlighting.
- Added **ingestion safeguards** (size limits, batching, retries) and **optimized context usage** to reduce token cost and hallucinations.

FetchQuest|*React, Node.js, Express, MongoDB, Socket.IO*   **GitHub** | **Demo**

- Built a full-stack peer-to-peer campus delivery platform with authentication, real-time chat, and reputation system
- Engineered a secure **REST API with JWT authentication**, enabling **AES-256 encrypted PII**, email verification, and role-based access control.
- Implemented **private real-time messaging** using **Socket.IO**, allowing communication only after request acceptance.

ACHIEVEMENTS

Problem Solving: Solved over 1200+ DSA problems across multiple platforms:
LeetCode rating: **1696 (Top 13%)**, Global Rank