Suprit Raj

B.Tech in Computer Science and Engineering
National Institute of Technology, Patna
Portfolio

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Education

Degree	University	Institute	Year	CPI
B.Tech, CSE	NIT Patna	National Institute of Technology, Patna	2023–2027	8.39
Intermediate	BSEB	R.N. College	2022	74.8%
Matriculation	CBSE	Shanti Niketan, Bihar	2020	90.6%

Projects

- **Smart Meet — *AI-Powered Meeting Automation Platform***
  Tools: Next.js, tRPC, Better-Auth, PostgreSQL, Stream Video SDK, OpenAI, Inngest, Shadcn/UI
  - Developed a full-stack platform where users create **AI agents**, schedule meetings, and join **real-time video calls**.
  - Implemented secure auth, CRUD modules, and responsive dashboard using **Better-Auth, tRPC, DrizzleORM, PostgreSQL**.
  - Integrated **Stream Video** + webhooks for tokens, recordings, transcripts, and **AI summaries**.

- **Vitamap — *Intelligent Pharmacy & Medicine Discovery***
  Tools: Next.js, TypeScript, FastAPI, Prisma, PostgreSQL, Pinecone, Leaflet.js, OpenAI
  - Developed a **location-aware medical assistant** showing nearby pharmacies and medicine info using OpenStreetMap + Leaflet.
  - Built a customizable **OpenAI-powered medical chatbot** with a RAG pipeline (Pinecone + FastAPI backend).
  - Delivered secure pharmacy inventory tools and a **responsive, TypeScript-first UI** in Next.js.

- **Library Management System**
  Tools: Node.js, Express.js, React.js, MongoDB, Cloudinary, Nodemailer, JWT
  - Built a secure **full-stack library system** with JWT auth, OTP verification, and role-based access control.
  - Developed scalable API modules (CRUD, user lifecycle, media uploads) using Express, MongoDB, and Cloudinary.
  - Automated reminders + cleanup with **Node-Cron** and built a responsive React dashboard.

Skills

- **Languages:** Java, Python, JavaScript, SQL, TypeScript, C, Solidity
- **Developer Tools:** Git, GitHub, VS Code, Postman, Docker, Figma
- **Frameworks / Libs:** Next.js, MERN, FastAPI, LangGraph, Streamlit
- **AI / Vector:** OpenAI API, Embeddings, Pinecone, HuggingFace
- **Databases / Cloud:** PostgreSQL, MongoDB, MySQL
- **Coursework:** Data Structures, Design and Analysis of Algorithms, Computer Networks, Database Management Systems, Operating Systems (Linux), Computer Organization, Object-Oriented Programming
- **Soft Skills:** Collaboration, Presentations, Project Management

Achievements & Roles

- **Competitive Coding:** Solved 450+ DSA problems across major platforms.
- **LeetCode:** Max Rating: 1694 | Profile
- **CodeChef:** Max Rating: 1323 | Profile
- **NPTEL Certifications:** Silver + Elite in Ethical Hacking and The Joy of Computing Using Python.
- **Certification:** Oracle Cloud Infrastructure 2025 Certified Generative AI Professional.
- **Developer Roles:** Software Developer at HackSlash and Web Club, NIT Patna.