

Abhishek Kumar Gupta

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EDUCATION

B.Tech in Computer Science and Engineering

2021-2025

Indian Institute of Information Technology Ranchi, India

CGPA: 8.90/10

EXPERIENCES

Backend Developer Intern | Stratex Consulting Services Pvt. Ltd.

Jun 2024 - Nov 2024

- **Technologies:** Node.js, PostgreSQL, Prisma, TypeScript, AWS (SES, S3, CodeCommit), Jest, Jira, Git
- Architected and documented **35+ API blueprints** following an **API-first approach** and designed **500+ APIs**, reducing integration time by **30%** across multiple development teams.
- Engineered APIs for **6+ modules**, including **HRM, CRM, Appointments, Billing, Roster, Forms, and Authentication**.
- Implemented secure data solutions utilizing **AWS S3 using KMS**, ensuring compliance and data protection.
- Authored **900+ unit tests** using **Jest**, ensuring high code reliability and robust test coverage.
- Mentored new interns, sharing best practices and ensuring seamless continuation of work processes.

PROJECTS

Family Health Care Management | NodeJs, Express.js, MongoDB, Python, AI/ML, JWT, React.js

- Engineered a **scalable healthcare management system** supporting **500+ patient records**, enabling secure storage and retrieval of medical histories.
- Built a **user-friendly React.js dashboard** with intuitive navigation, enhancing accessibility for patients and doctors.
- Implemented **100% secure JWT authentication** and **role-based access control (RBAC)**, ensuring data integrity and protection.
- Developed an **AI-powered prescription analysis module** using the **Tesseract OCR model** to extract and analyze prescription data, reducing medication errors. [GitHub](#)

QuickMart | NodeJs, JavaScript, ReactJs, MongoDB, Stripe, Redux-toolkit, Passport.js

- Developed a comprehensive MERN stack e-commerce platform, integrating fundamental features such as product listings, detailed product pages for more than 190+ products, a seamless cart, and a secure checkout process.
- Enhanced online safety with **Passport.js**, secure cookies, and **JWT authentication**, reducing data breaches by over **90%**.
- Utilized **Stripe** for secure payment processing via a custom payment flow to enable **100%** accurate payments. [GitHub](#)

Multilingual FAQ Management | React, Tailwind CSS, Node.js, Express.js, MongoDB, Redis, google-translate-api

- Engineered a high-performance multilingual FAQ management system with **Redis caching**, reducing response time from **3000ms to 200ms** for frequently accessed FAQs, boosting system efficiency, and enhancing user experience.
- Integrated **Google Translate API** to provide automated translations of **100+ FAQs** into **10+ languages**, enhancing accessibility for a diverse user base.
- Optimized database queries, reducing direct MongoDB requests by **70%** with help of model methods. [Github](#)

ACHIEVEMENTS

- Ranked in the top 7.2% in **Leetcode** with a rating of 1827, solving 700+ problems on **Data Structures & Algorithms** from basic to advanced levels.
- Secured a global rank of 304 in **CodeChef** Starters 122, with a highest rating of 1611.

SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, C/C++, SQL
- **Frontend:** HTML, Tailwind CSS, ReactJS, Redux
- **Backend:** NodeJS, ExpressJS, RestAPI, FastAPI, Django
- **Databases:** MongoDB, MySQL, PostgreSQL, Redis
- **Tools & system:** Linux, VS Code, Jira, Postman, Git, GitHub, Monday board, Jest
- **ORM/ODM:** Mongoose, Sequelize, Prisma
- **AWS:** S3, KMS, SES, code commit
- **Course work:** Database management, Computer Networks, Operating Systems

EXTRACURRICULAR

- Active member of the **Dramatics club**, excelling in emotional roles with fluent dialogue delivery in various performances.
- Awarded Silver and Gold medals in cricket for two consecutive years at IIIT Ranchi's sports event, **Concours**.