ADITYA KUMAR

Purnea, Bihar

📞 7258916818 ✉ imadityak0505@gmail.com 🔗 aditya-kumar-b10822256 ⊙ imadityak05 </> imaditya__

Summary

Final-year B.Tech student at NIT Patna with a strong grasp of Data Structures, Algorithms, CS Fundamentals, and Web Development using the MERN stack. Built scalable web apps, solved 500+ LeetCode problems, and actively participates in contests. Passionate about delivering efficient, user-centric software solutions.

Education

National Institute of Technology Patna   Nov 2022 – June 2026
Bachelor of Technology in Electronics and Communication Engineering   *Patna, Bihar*

Projects

Doctor Prescriptions App | *React.js, Node.js, MongoDB, Express.js* | GitHub   **August 2024**

- Developed Prescripto, a MERN stack web app that has facilitated 500+ doctor appointments, improving accessibility for 200+ users.
- Implemented secure user authentication and appointment scheduling with JWT, increasing booking efficiency by 40%.
- Designed a clean, mobile-first UI that decreased average task completion time by 35%.
- Integrated robust backend APIs to handle real-time doctor availability and automated booking confirmations.
- Launched on Vercel with 99.9% uptime, enabling seamless access across web and mobile platforms.

Food Ordering App | *React.js, Node.js, MongoDB, Express.js*| GitHub   **November 2024**

- Built a Full-Stack Food Delivery Web App using the MERN stack with Stripe integration, supporting real-time orders from 100+ test users.
- Engineered a responsive React front-end, reducing page load times by 45% and enabling smooth navigation on both desktop and mobile.
- Designed scalable RESTful APIs in Node.js/Express.js for order, cart, and user management, processing 1000+ API calls/day in testing.
- Integrated Stripe for secure payment, achieving 100% successful transaction rate during beta testing.
- Optimized MongoDB queries and indexing to reduce average data retrieval time by 60% under simulated peak traffic.
- Deployed on Vercel with cloud-based MongoDB Atlas, ensuring 99.9% uptime and smooth CI/CD integration.

Technical Skills

Programming Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL
Tools & Platforms: Git, GitHub, Visual Studio Code, Google Cloud Platform, Postman, MATLAB, PSpice
Web & Backend Technologies: React.js, Node.js, Express.js, Next.js, REST APIs, Stripe API
Area of Interest: Full Stack Development, Front-End Development, Software Engineering, Competitive Programming
Database: MongoDB, MySQL, MongoDB Atlas
Relevant Coursework: Data Structure, OOP, Computer Network, Python, Operating System, Artificial Intelligence, Digital Electronics, Analog Electronics, Control System, Cybersecurity, Wireless Communication, Antenna & Wave Propagation, Electromagnetic Field Theory

Extra-Curricular Activities

- Completed Accenture Nordics Software Engineering Virtual Experience (Forage) – Gained exposure to Java, Spring Boot, CI/CD, and Agile development practices.
- Completed Deloitte Australia STEM Connect Virtual Internship (Forage) – Worked on data analysis using Python, Tableau, and Excel with a focus on cybersecurity and insights.

Achievements

- Contest rating of 1580+ across 13 weekly and biweekly contests on LeetCode.
- Attended "The Graph Camp" organized by AlgoUniversity for 3 days and earned a certificate.
- Achieved 99.89 percentile in JEE Mains Physics (2022) and secured an overall general rank of 20094.
- Ranked in the top 5% among 6,300 certified candidates in NPTEL's Computer Networks and Internet Protocol.