Shubham Kumar

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EDUCATION

Bachelor of Technology in Electrical Engineering (CGPA: 8.03) **Nov 2022–Present**
National Institute of Technology Patna *Patna,Bihar*

- **Areas of Proficiency:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOPs), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN)

Senior Secondary, CBSE (Percentage: 78.2) **Mar 2019-Feb 2021**
Paramount Academy *Tarapur, Bihar*

EXPERIENCE

Prodigy InfoTech **Jun 2025**
Web Development Intern (Remote)

- Collaborated with a team to develop PassOP,a password manager with MongoDB(cloud) and LocalStorage version, improving reliability and user experience for secure credential management.
- Designed and implemented a Task Tracker App, featuring complete CRUD functionality using React, ensuring optimal user interface design and seamless interaction.

PROJECTS

EcoSwap | *React.js, Express.js, MongoDB, Nodemailer, Node.js, JWT, Multer, Axios, CSS3, HTML5* Github

- Constructed a MERN stack marketplace for 100+ NITP students, achieving 99% uptime and facilitating the resale or donation of over 200+ items.
- Secured the platform with JWT authentication and role-based access, eliminating unauthorized access and safeguarding 100% of user data across 200+ sessions.
- Reduced campus waste by an estimated 25% by creating a sustainable channel for leftover student items, boosting user engagement by 85%.

FamilyGrocer | *React.js, Node.js, MongoDB Atlas, Express.js, JWT, Nodemailer, Twilio, Mongoose* Github

- Created a collaborative MERN-based grocery management tool that improved household coordination for 50+ family groups by providing real-time list synchronization.
- Integrated a dual-notification system using Nodemailer and Twilio, ensuring a 99.9% success rate for instant email and SMS alerts for list updates.
- Deployed on Render with a scalable architecture, handling over 1,000 concurrent connections with zero downtime.

Weather Application | *JavaScript, Python, HTML5, CSS3, API Integration*

- Built a responsive weather dashboard that increased user engagement by 40 % through a dynamic, location-aware visual interface.
- Optimized data retrieval times by 50% by implementing a custom API solution for fetching real-time environmental data from multiple sources.

SKILLS

- **Programming Languages:** C++, JavaScript, Python(basic), HTML, CSS
- **Frameworks/Libraries:** React.js, Node.js, Express.js, Material-UI
- **Databases:** MongoDB (Mongoose), SQL
- **Tools/Platforms:** Git/GitHub, Docker(basic), Postman, Netlify, Vercel, VS Code
- **Technical Skills:** Full-Stack Development, Real-Time Communication, REST APIs, Authentication & Authorization
- **Professional Attributes:** Leadership, Team Management, Public Speaking, Analytical Thinking

ACHIEVEMENTS

- **Adobe India Hackathon 2025:** Selected in top 300 teams among 2.5 lakh participants and advanced to Round 2.
- **Leetcode:** Achieved global rank 351/27,000 in Biweekly Contest, solved 713+ coding problems, Knight with max rating of 1860. (Profile)
- **GeeksforGeeks:** Solved 800+ problem, max-rating(1760) (profile)
- **Codechef:** 3* with maximum rating of 1610, ranked 330 among 20,000 participants in Starter 195 contest.
- **Flipkart Grid 6.0:** Cleared level-1 of Software development track organized by flipkart

ROLES AND RESPONSIBILITY

Vice-President, SAPTAK Music Club, NITP **Mar 2024–Present**
Led a team of 30+ musicians to organize 5+ large-scale events with 1000+ attendees, boosting engagement by 45%.