Sumit Kumar Shaw

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Education

VIT University, B.Tech in Computer Science and Engineering   10/2022 - 04/2026
- CGPA: 8.82/10

Experience

Full Stack Developer Intern, PANHA   08/2025 – present
- Developing scalable full-stack applications using Next.js and Appwrite, contributing to both frontend interfaces and backend API development in production.
- Collaborating with a skilled team of DTU and IIT alumni, gaining exposure to advanced development practices and industry-standard methodologies.
- Working closely with senior developers on production-level code, including feature implementation, code reviews, and maintaining system reliability.

Backend Intern, Koach   04/2025 – 08/2025
- Mapped backend architecture and website functionality using Figma, reducing development time by 15% through streamlined workflows.
- Engineered and maintained 3 key production-level backend features, including user authentication and data validation modules.
- Collaborated with 2+ senior developers on scalable backend systems, contributing to production code across private GitHub repos.
- Implemented client-side routing with React Router, reducing page load times by 600ms across 10+ views.

Projects

SnipLytix | *(live)(github) Spring Boot, PostgreSQL, JWT, Docker, React*   01/2025 – 04/2025
- Developed a scalable URL shortener using Spring Boot and PostgreSQL (Neon DB), handling 10K+ concurrent requests with 99.99% uptime.
- Applied click tracking, custom expiration, and analytics, increasing user engagement and control by 30%.
- Integrated JWT authentication, rate limiting (100 req/min), and input validation for secure API usage.
- Containerized with Docker, enabling CI/CD deployments and reducing release time by 70%.

SkyLance | *(live)(github) NextJs, TypeScript, Dwolla, Appwrite, Sentry, Rest API*   07/2024 – 09/2024
- Developed a robust online banking platform using Node.js 14, TypeScript, and Appwrite for seamless user experience.
- Integrated Dwolla and Plaid, enabling secure processing of 500+ transactions per day with real-time payment workflows.
- Enhanced platform stability with Sentry, reducing critical error response time by 40%, ensuring 99.5% uptime for 5000+ users.
- Designed RESTful APIs for user onboarding and transaction management, improving system reliability and reducing response time by 25%.

Technical Skills

Frameworks & Libraries: Spring Boot, React.js, Node.js, Next.js, Express.js

Languages & Tools: Java, JavaScript, HTML/CSS, Git, VS Code

Database & Cloud: MySQL, PostgreSQL, AWS S3

Certifications

AWS Academy Graduate: AWS Academy Cloud Architecting (link)

IBM Career Education Program: DevOps Fundamentals (link)

Achievements

- **Social Volunteering:** Volunteered under NSS and Unnat Bharat Abhiyan, driving impact across 11+ underserved regions in Madhya Pradesh. Led efforts in digital literacy, rural education, and sanitation outreach.
- **School Leadership, House Captain:** Led a team of over 50 students in inter-house competitions, fostering teamwork and achieving top finishes across academic, cultural, and sports events.