

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

Noida International Airport | Source Integreta , SWE Developer 09/2025 – present

- Gained experience working on a government-associated aviation infrastructure project, understanding regulatory compliance and stakeholder management.
- Exposed to actual expectations and documentation standards specific to aviation systems, including safety protocols and operational requirements.
- Worked with specialized technology stack associated with aviation systems, gaining hands-on experience with industry-specific tools and platforms.

Full Stack Developer Intern, PANHA 08/2025 – 09/2025

- 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 and mentored 2 foreign students 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, TypeScript, and Appwrite for seamless user experience.
- Integrated Dwolla and Plaid, enabling secure processing of 500+ transactions per day with real-time workflows.
- Enhanced platform stability reducing critical error response, ensuring 99.9% 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 & languages: Java, Spring Boot, React.js, Node.js, Next.js, Express.js

Database & Cloud: MySQL, MongoDB, AWS, Docker, Apache Kafka, RabbbitMQ, GraphQL

Certifications

AWS Academy Cloud Architecting(link) , DevOps Fundamentals (link)

Achievements

- Social Volunteering:** NSS/UBA volunteer, impacted 11+ rural regions with digital literacy, education, sanitation.
- Leadership:** School House Captain, led 50+ students in academics, cultural, and sports events.