

# SOUVIK DAS

## Software Development Engineer

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### SUMMARY

Full Stack Developer (MERN) with hands-on experience designing, deploying, and optimizing scalable web applications using React.js, Node.js, and MongoDB. Adept at developing RESTful APIs, integrating authentication systems (JWT/OAuth2), and implementing responsive UI/UX design. Proven ability to reduce application latency by 30% through performance tuning and CI/CD automation. Skilled in Agile development, microservice architecture, and version-controlled deployments using Git and Docker.

### SKILLS

- **Languages:** Java, JavaScript (ES6+), PHP, TypeScript, SQL
- **Frameworks & Libraries:** React.js, Node.js, Express.js, Redux, Tailwind CSS, Bootstrap, Socket.io
- **Database Management:** MySQL, MongoDB
- **Tools & Platforms:** Render, Git, GitHub, VS Code, Eclipse, IntelliJ IDEA, Canva
- **Testing or CI/CD Tools:** Postman, Docker

### PROJECTS

#### Fun Fact Generator | [Repo](#) | [Demo](#)

- Engineered a **React + Vite** app integrating 5+ public APIs for real-time fact generation, enabling instant category-based content delivery.
- Optimized API handling with **asynchronous fetch** and caching, reducing redundant requests by ~25%.
- Enhanced accessibility and mobile responsiveness using **Tailwind CSS**, improving Lighthouse score by 20%.
- Deployed on **Render** with CI/CD pipelines for continuous version updates and zero-downtime releases.

#### Food Delivery App | [Repo](#) | [Demo](#)

- Designed and deployed a **full-stack MERN** food delivery platform with secure **JWT-based authentication** and **Stripe API** for seamless payments.
- Integrated **Redux** for state management, improving data handling efficiency by 25% and ensuring smooth cross-session synchronization.
- Built a **role-based admin dashboard** in Node.js and MongoDB to manage 100+ daily order and menu records.
- Automated deployment using **Render CI/CD**, improving release frequency by 40%.

#### Weather Forecast Web App | [Repo](#) | [Demo](#)

- Developed a real-time **weather dashboard** using **OpenWeatherMap API**, featuring live city search and 7-day forecast charts.
- Implemented a **theme-adaptive, animated UI** using Framer Motion and Lucide Icons, enhancing user engagement by 30%.
- Introduced **API caching strategies**, reducing data retrieval latency by ~20%.
- Hosted via **Render** with automated GitHub integration for continuous deployment.

### INTERSHIPS

#### Full Stack Developer Intern | Edunet Foundation, Bengaluru, India | Feb 2025 – Mar 2025

- Engineered a **React.js** frontend with advanced search filters and JWT authentication, improving page load time by 30% and UX on 3+ devices.
- Developed and integrated **10+ RESTful APIs** using Node.js and Express.js, reducing average response time by 20%.
- Designed scalable **MongoDB schemas** managing over 1K+ dynamic records for users, orders, and restaurants.
- Implemented **Git-based CI/CD workflows**, ensuring seamless collaborative deployment.

#### Full Stack Developer Intern | Main Flow Services and Technologies Pvt. Ltd., Noida, India | Sep 2024 – Nov 2024

- Developed modular **React.js + Express.js** components, improving API consumption efficiency and maintainability.
- Optimized **MongoDB queries**, boosting read/write throughput by 25% to handle expanding datasets.
- Refactored key modules, enhancing rendering efficiency by 30% under Agile sprints.
- Collaborated with cross-functional teams to deliver **mobile-first** design and deployment in **Agile environments**.

#### Website Development Intern | Internship Studio, Pune, India | Apr 2024 – Jun 2024

- Built responsive web pages using **HTML, CSS, and JavaScript**, adhering to W3C standards and cross-browser compatibility.
- Translated UI wireframes into interactive, production-ready components with optimized load time.
- Strengthened **debugging, accessibility, and responsive design** expertise while following best front-end practices.

### EDUCATION

#### Bachelor of Technology (Information Technology) | Asansol Engineering College (AEC), Asansol, India | 2021 – 2025

- **Relevant Coursework:** Data Structures & Algorithms, Database Systems, Web Technologies, Software Engineering
- **Key Academic Projects:** Developed a **Safety App for Women** featuring an **SOS alert system** that automatically places an emergency call to the primary contact and sends alert messages to four pre-saved numbers. Integrated **Android APIs** for telephony and messaging, improving real-time response efficiency and personal safety accessibility.
- **CGPA:** 7.41/10

### CERTIFICATIONS

- 🏆 Accenture Nordics – Software Engineering Job Simulation (2025)
- 🏆 Postman API Fundamentals Student Expert (2025)
- 🏆 JPMorgan Chase & Co. – Software Engineering Lite Job Simulation (2024)

### AWARDS

- 🏆 Outstanding Performer – Inter-House Cricket Competition (Burnpur Riverside School, 2019)