

# ADARSH TIWARI

Software Development Engineer I (SDE 1)

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## Professional Summary

Impact-driven **Software Development Engineer I (SDE 1)** and **Full Stack Developer** with strong expertise in the **Software Development Life Cycle (SDLC)**, **software design**, **scalable systems**, and **system reliability**. Experienced in building secure, production-grade web applications using the **MERN Stack** and **Next.js**. Proven ability to design and implement **RESTful APIs**, apply **authentication and authorization** mechanisms (JWT, RBAC), and collaborate in **Agile cross-functional teams**. Highly motivated engineer with strong **problem-solving** skills, a responsive mindset, and a focus on performance optimization, **Search Engine Optimization (SEO)**, and maintainable architecture.

## Technical Tech Stack

**Languages/Scripts:** JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3, Markdown

**Frontend Frameworks:** React.js, Next.js (SSR/ISR), Tailwind CSS, Redux Toolkit, Framer Motion

**Backend & Security:** Node.js, Express.js, **JWT Authentication & Authorization**, RBAC, OAuth 2.0, **RESTful API Design**

**Database & Reliability:** MongoDB, PostgreSQL (**Relational Database Design**), Redis, **Error Monitoring**, Unit Testing (Vitest/Jest)

**DevOps & Version Control:** Git, GitHub Actions (CI/CD), Docker, Vercel, AWS S3, Cloudinary

**Collaboration:** Agile (Scrum), Jira, Slack, **Code Reviews (PR Workflow)**, Technical Documentation

## Professional Experience

### Full Stack Developer Intern

Aug 2025 – Nov 2025

Project Leadership

GNB EV Service Center (Remote)

- Designed and implemented scalable system components using Next.js, handling **500+ concurrent user requests per day** with high reliability.
- Engineered secure **authentication and authorization** flows using JWT, HTTP-only cookies, and role-based access control.
- Improved **Search Engine Optimization (SEO)** through structured data and server-side rendering, increasing organic leads by **approximately 45%**.
- Applied strong **problem-solving** skills to debug production issues and deliver stable software solutions.

### Frontend Freelance Developer Intern

Feb 2025 – May 2025

Cross-functional Collaboration

EmbProto Web App (Remote)

- Applied **responsive design principles** to ensure cross-device compatibility and accessibility.
- Improved application efficiency and reliability by resolving 30+ UI issues, reducing post-deployment hotfixes by **nearly 20%**.
- Strengthened **cross-functional collaboration** through weekly code reviews and shared ownership.

### Software Engineer Intern

Jun 2024 – Aug 2024

Software Development

IBM SkillsBuild (Remote)

- Contributed to enterprise **software development** by migrating legacy modules to modern **React.js**, improving performance by **approximately 30%**.
- Followed enterprise **Git/GitHub workflows**, participating in 20+ peer code reviews.

## Key Development Projects

### GNB EV Fleet Platform

Live ↗

Next.js, MongoDB, Razorpay, Tailwind CSS

Full Stack

- Designed scalable **RESTful APIs** using Node.js and MongoDB with a focus on performance and maintainable system design.
- Developed secure admin features using **Role-Based Access Control (RBAC)**.

### Lumina: Scalable EdTech Platform

Portfolio ↗

MERN Stack, JWT Auth, Cloudinary, Redux

Security & Scalability

- Resolved **authentication and authorization** challenges using refresh token rotation and secure session handling.
- Improved system reliability and user experience through optimized media delivery.

## Education

### Maharshi Dayanand University

Rohtak, India

Bachelor of Technology in Computer Science (CGPA: 7.86 / 10)

Aug 2023 – May 2027

## Technical Achievements

- **API Optimization:** Reduced API latency by **25%** using indexing and caching strategies.
- **Team Leadership:** Mentored peers on Git workflows and debugging practices.
- **Certifications:** IBM Frontend Specialist (2024), Postman API Fundamentals, freeCodeCamp Responsive Web Design.