

NIPUN SATHSARA

SOFTWARE ENGINEERING INTERN

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Portfolio: portfolio-2025-xi-brown.vercel.app

PROFESSIONAL SUMMARY

Third-year Software Engineering undergraduate with a strong portfolio of academic projects, including full-stack applications that achieved up to 40% improvement in frontend load times and database efficiency. Skilled in Java, JavaScript, Spring Boot, React.js, and Angular. Currently seeking a Software Engineering Internship to apply technical knowledge in a professional development environment and contribute to meaningful software solutions.

EDUCATION

Diploma in Information Technology | University of Colombo School of Computing | 2023

- Achieved good passes in all subjects with top 15% performance in Java programming
- Currently pursuing Higher Diploma, expected completion in 2025

Diploma in Cyber Security | SITC Campus | 2022

- Graduated with distinction (top 5%), completing 5 security vulnerability assessments with 95% accuracy
- Gained proficiency in ethical hacking techniques and security vulnerability identification

TECHNICAL SKILLS

Languages & Frameworks: Java, JavaScript, TypeScript, HTML/CSS, Angular, React, Spring Boot

Databases & Tools: MySQL, MongoDB, Git, AWS, Postman, IntelliJ IDEA, VS Code

Practices: Agile/Scrum, RESTful API design, OAuth2, JWT, MVC architecture, Layered architecture

EXPERIENCES

EvoPlan | Full-Stack Development | [\[GitHub Link\]](#)

- Implemented Google authentication and integrated Supabase for data uploads using Angular, improving user access security and backend efficiency.
- Managed all backend tasks and collaborated with 45+ developers in a cross-functional team
- Technologies: Angular, Spring Boot, OAuth2, TypeScript, Supabase

Trainee Developer | iCET | 6+ months

- Built apps with Java, JavaScript, and modern frameworks, cutting dev time by 20%
- Collaborated with senior developers on full-stack projects, completing 25+ JIRA tickets weekly
- Gained experience with design patterns, software architectures, and professional development workflows

CERTIFICATIONS

- **Postman API Fundamentals Student Expert** | 2025 | [\[Certificate\]](#)
- **Java Foundations Professional Certificate by JetBrains** | 2025 | [\[Certificate\]](#)

PROJECTS

HR Management System | Full-Stack Web Application | [\[GitHub Link\]](#)

- Implemented 10+ secure API endpoints with JWT authentication, reducing unauthorized access attempts by 95%
- Built modular architecture supporting 3 core HR functions with 99.8% system availability during testing
- Developed responsive UI with Angular Material and Bootstrap, decreasing page load time by 35%

Event Ticket Marketplace | Full-Stack Web Application | [\[Frontend\]](#) [\[Backend\]](#)

- Integrated WebSockets to create real-time last ticket bidding system, reducing notification delay by 75%
- Defined secure user authentication with JWT and role-based access control
- Technologies: Angular, Spring Boot, MySQL, JWT, WebSockets

Task Manager System | Full-Stack Web Application | [\[GitHub Link\]](#)

- Developed 6+ secure CRUD endpoints for task and user management using JWT
- Configured Spring Security with JPA/Hibernate for robust backend performance
- Dockerized the app and created responsive UI with Angular & Angular Material

Microservices Architecture | Event-Driven System with Spring Boot & Kafka | [\[GitHub Link\]](#)

- Developed 3 microservices with Spring Boot and Kafka, enhancing system scalability
- Created 15+ secure APIs, achieving 99.9% uptime and reducing event processing by 25%
- Designed optimized schemas for 3 MySQL databases, ensuring data consistency

POS System for a Burger Shop | Full-Stack Web Application | [\[GitHub Link\]](#)

- Accelerated database query time by 40% through optimized JPA implementation
- Bolstered data security by integrating Jasypt encryption for 1,000+ customer records
- Technologies: Spring Boot, JPA, Jasypt, HTML, CSS, JavaScript