NIPUN SATHSARA

SOFTWARE ENGINEERING INTERN

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GitHub: github.com/NipunBasnayake

Portfolio: nipunbasnayake.github.io/Portfolio-2025/

PROFESSIONAL SUMMARY

3rd year Software Engineering undergraduate with strong academic project portfolio. Developed full-stack applications demonstrating 40% optimization in frontend performance and database queries. Proficient in Java, JavaScript, Spring Boot, React.js, and Angular. Seeking Software Engineering Internship to apply classroom knowledge to real-world challenges.

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]

- Researched and implemented Google authentication and Supabase data uploading from Angular
- 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

- Constructed applications using Java, JavaScript, and modern frameworks, reducing development time by 20%
- Collaborated with senior developers on software development projects, completing 25+ JIRA tickets weekly
- Gained experience with design patterns, software architectures, and professional development workflows

CERTIFICATIONS

Postman API Fundamentals Student Expert | Postman | 2025

PROJECTS

Event Ticket Marketplace | Full-Stack Web Application | [[GitHub Link](#)]

- Integrated WebSockets to create real-time last ticket bidding system, reducing notification delay by 75%
- Built 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 built responsive UI with Angular & Angular Material

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

- Spearheaded development of CRUD operations serving 150+ employee records
- Configured JPA/Hibernate integration for efficient database operations
- Technologies: React.js, Spring Boot, MySQL, Hibernate, Bootstrap

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

3D Chess Game | Web Application | [[GitHub Link](#)]

- Programmed chess engine with 95% accuracy across 30+ game scenarios
- Created responsive design enabling 95% cross-device compatibility
- Technologies: Three.js, JavaScript, WebGL

AI Chat Bot Application | React Application | [GitHub Link]

- Built responsive chat application integrating Google AI Studio's Gemini API
- Designed component-based architecture for maintainable and scalable codebase
- Technologies: React.js, Google AI Studio, Gemini API, JavaScript, CSS

Language Translator | Web Application | [GitHub Link]

- Developed translation application supporting 30+ languages with 98% accuracy rate
- Produced responsive UI for optimal mobile and desktop user experience
- Technologies: React.js, JavaScript, Translation APIs

Clothing Store POS System | Desktop Application | [GitHub Link]

- Orchestrated transaction workflow resulting in 35% faster processing time
- Achieved 95% accuracy in real-time inventory tracking through automated system
- Established layered architecture with dependency injection using Google Guice
- Technologies: Java, JavaFX, MySQL, Google Guice, Hibernate/JPA