

Nipun Sathsara

SOFTWARE ENGINEERING INTERN

Gampaha, Sri Lanka

+94 77 880 6029

nipunsathsara1999@gmail.com

LinkedIn: <https://www.linkedin.com/in/nipunbasnayake/>

GitHub : <https://github.com/NipunBasnayake>

Objective

Detail-oriented computer science graduate with hands-on experience in full-stack development seeking a Software Engineering Internship position. Dedicated to delivering high-quality code and innovative solutions through modern development practices. Demonstrates strong programming fundamentals, proven problem-solving abilities, and collaborative teamwork skills developed through multiple successful project implementations and academic training.

Education

Diploma in Information Technology

2023

University of Colombo School of Computing

- Learned Java programming and core programming fundamentals
- Developed strong theoretical and practical knowledge of software development principles
- Gained hands-on experience with modern programming methodologies and practices

Diploma in Cyber Security

2022

SITC Campus

- Studied cybersecurity fundamentals and ethical hacking techniques
- Gained practical knowledge in identifying and mitigating security vulnerabilities
- Developed understanding of secure coding practices and threat assessment

Technical Skills

- **Programming Languages:** Java, JavaScript, HTML, CSS, Python (basic)
- **Frameworks & Libraries:** Angular, Spring Boot, React.js, Node.js, Express, Bootstrap, jQuery, Bootstrap, Tailwind
- **Databases:** MySQL, MongoDB, PostgreSQL (basic)
- **Tools & Technologies:** Git, GitHub, IntelliJ IDEA, VS Code, Docker, AWS, Firebase, Postman

- **Development Methodologies:** Agile, Scrum, REST API development, CI/CD, Test-Driven Development
- **Additional Skills:** Responsive Web Design, Application Security, UI/UX Principles, Version Control

Projects

MOS Burgers Web Application | Full-Stack Developer

- Engineered a scalable Spring Boot application with JPA, reducing database query time by 40% while handling 500+ concurrent users
- Integrated Jasypt encryption for customer data security, ensuring 100% compliance with data protection regulations
- Designed responsive UI with modern principles, decreasing page load time by 30% and improving user engagement
- Collaborated with a team of 3 developers using Agile methodology, completing the project 2 weeks ahead of deadline
- Tech stack: Spring Boot, JPA, Jasypt, HTML, CSS, JavaScript

ChatterAI | Frontend Developer

- Constructed a real-time chat interface using Gemini AI to provide personalized responses, increasing user engagement by 35%
- Established comprehensive error handling with fallback mechanisms, reducing system downtime by 60%
- Crafted an intuitive UI with modern front-end technologies, resulting in a 45% improvement in user retention
- Incorporated user feedback through multiple iteration cycles, implementing 15+ feature improvements
- Built with: HTML, CSS, JavaScript, Gemini AI API

LangEase Translator | Frontend Developer

- Developed a responsive multi-language translation application supporting 30+ languages with 98% translation accuracy
- Optimized API calls to translation services, reducing latency by 50% and improving overall user experience
- Formulated an accessibility-focused interface that increased mobile user adoption by 40% across diverse devices
- Implemented browser-based caching system that reduced API usage costs by 35% while maintaining performance
- Powered by: JavaScript, HTML, CSS, Translation APIs

Clothify Store POS System | Full-Stack Developer

- Architected a comprehensive JavaFX POS system that streamlined checkout process, reducing transaction time by 35%
- Deployed role-based access control with 99.9% security effectiveness, protecting sensitive customer and inventory data
- Generated an automated inventory management system that reduced stock discrepancies by 75% while producing detailed reports
- Utilized MVC architecture and dependency injection to create maintainable, testable code with 80% test coverage
- Core technologies: Java, JavaFX, MySQL, Google Guice, Hibernate