



Binuri Nimthera

Software Engineer - Intern

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🌐 Binuri Nimthera 🔄 Nimbinu 🔗 Portfolio

Profile

Aspiring Software Engineer with a solid foundation in programming, web development, and database management. I have hands-on experience in academic and team-based projects using modern technologies within Agile environments. Passionate about continuous learning and applying innovative solutions to real-world problems. Eager to contribute, grow, and make a meaningful impact as a software engineering intern.

Education

BSc (Hons) in Computing and Information Systems - Current GPA 3.26 **2023 - Present**
Sabaragamuwa University of Sri Lanka

G.C.E Advanced Level Physical Science Stream **2018-2021**
Embilipitiya President College

Projects

EduBridge-Parent - Teacher Relationship Management System (Group Project-Ongoing)

Laravel | PHP | MySQL | Blade | WhatsApp Business API | HTML | CSS | JavaScript | Bootstrap

- Collaborating as a full-stack developer to build a web-based platform enhancing communication between parents and teachers.
- Developing key features such as real-time WhatsApp notifications, PDF progress reports, two-way messaging, home-arrival confirmations, and an admin dashboard for monitoring student performance.

StockGuard – Real-Time Stock Monitoring & Replenishment System(Group Project)

ESP8266 NodeMCU | Load Cell | Hx711 Amplifier | Firebase | Arduino | HTML | CSS | PHP | IDE | Visual Studio Code

- Led a team in developing an IoT-based system for real-time stock monitoring and automated replenishment.
- Designed and developed the responsive frontend dashboard integrated with Firebase for low-stock alerts and anomaly detection.

E-Satahan-Online Note Sharing System (Group Project)

HTML | CSS | JavaScript | PHP | MySQL

- Led a team and contributed as a full-stack developer in building a Web-Based Note Sharing System to simplify academic resource sharing among students.
- Developed both frontend and backend features enabling secure upload, sharing, and access to academic notes.

Online Tea Shop Website(Individual Project)

HTML | CSS | JavaScript | Node.js | Express.js | MongoDB | RESTful API

- Built a full-stack online tea shop with a responsive interface for browsing and ordering products.
- Implemented RESTful API integration using Node.js, Express.js, and MongoDB for efficient product and order management.

SafeRoute - Real-Time Hazard Reporting & Safe Routing(Individual Project-Ongoing)

MongoDB | Express.js | React.js | Node.js | Socket.IO | Google Maps API | HTML | CSS | JavaScript

- Developed a web-based road safety platform using the MERN stack with real-time hazard reporting, map visualization, and safe route suggestions.
- Enabled instant user alerts for nearby road hazards through Socket.IO and provided an admin dashboard for verifying reports and monitoring high-risk zones.



Technical Skills

- Programming Languages - C, Java, JavaScript, PHP, Python, React
- Databases - MySQL, MongoDB
- Version Control - Git, GitHub
- Tools - Figma, Visual Studio Code (VS Code), IntelliJ IDEA, Postman, Draw.io
- Concepts -Object-Oriented Programming (OOP), Agile Development


Soft Skills

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| • Team Collaboration | • Leadership & Initiative | • Strong Communication Skills |
| • Quick Learning & Adaptability | • Problem-Solving Skills | • Multitasking Abilities |

Awards

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| Semi-Finalist - HackX 9.0
University of Kelaniya | July 2024  |
| INSL 2024 Sabaragamuwa Province - Finalist Top 10 team
IEEE Innovation Nation Sri Lanka | November 2024  |

Certificates

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| Web Design for Beginners 
University of Moratuwa | Foundations of Project Management 
University of Moratuwa | IT Essentials 
Cisco |
| Master Data Modeling and Database Development 
Udemy | Data Analytics for Project Management 
Udemy | The Complete ReactJs Course For Beginners 
Udemy |
| SQL and Relational Databases 101 
Cognitive Class | Python for Beginners 
University of Moratuwa | Python Programming 
University of Moratuwa |

Extracurricular Activities

- Content Creation Team Volunteer**
IEEE Student Branch, Sabaragamuwa University of Sri Lanka.
- Secretary Team Member**
SabraXtreme 3.0 – IEEEExtreme 19.0, organized by the IEEE Student Branch of Sabaragamuwa University of Sri Lanka.
- Secretary Team Member**
IEEE Day Celebration 2025, organized by the IEEE Student Branch of Sabaragamuwa University of Sri Lanka.
- Team Member**
STEMUP Educational Foundation.

References

- Mrs. Kumudu Wijerathna**, Lecturer (Probationary), Department of Computing and Information Systems, Faculty of Computing, Sabaragamuwa University of Sri Lanka, kwijerathna@foc.sab.ac.lk, +94743357835
- Mrs. Hiruni Senevirathne**, Senior Software Engineer, Sysco LABS Technologies (Pvt) Ltd
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