



Imandi Muthugala

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Profile Summary

I am a Computer Science Undergraduate actively seeking Software Engineer internship opportunities. Passionate about full-stack development, object-oriented programming, data structures, and algorithms, I engage deeply with the entire software development life cycle and agile practices. Enthusiastic about building impactful projects, I focus on writing clean, maintainable code that delivers excellent user experiences. As a collaborative team player, I enjoy working in dynamic environments that foster growth and technical challenge.

Education

BSc in Computer Science University of Colombo School of Computing	May 2023 – Present
<ul style="list-style-type: none">GPA of 3.498 through semester 4 (Director's List in semester 4)	
GCE Advanced Level Examination Sujatha Vidyalaya, Matara — <i>Physical Science Stream</i>	Feb 2022
<ul style="list-style-type: none">Z-Score: 1.7103. Achieved 1 'A' pass, 1 'B' pass, and 1 'C' pass	
GCE Ordinary Level Examination St. Mary's Convent, Matara	Dec 2018
<ul style="list-style-type: none">Achieved 9 'A' passes	

Project Experience

ConstruxFlow – Supply Chain and Inventory Management System(Final Year Project) GitHub: Click here	May – Oct 2025
<ul style="list-style-type: none">Designed and developed a full-stack web application using React.js, Spring Boot, and PostgreSQL for procurement, supplier management, inventory tracking, and payment workflowsImplemented core backend modules for material requests, quotations, order management, and payment transactions with RESTful APIs and JPA-based relational mappingOptimized database queries and request handling to improve backend efficiency, achieving a 25–30% gain in system responsiveness and automation reliability	
FutureFinder – Higher Education and Career Guidance Platform GitHub: Click here	May 2024 – Apr 2025
<ul style="list-style-type: none">Built a full-stack MVC-based platform using PHP, JavaScript, HTML, and CSS to connect students, institutions, and employers through personalized career and degree analyticsImplemented dynamic content management and backend logic for course data, Z-score analytics, and career recommendations, ensuring accurate and real-time updatesDeveloped scalable database schemas and controllers improving data consistency, search performance, and user query processing across multiple user roles	
SIMAS AUTOQUEST – Car Rental Platform GitHub: Click here	May 2024 – Oct 2024
<ul style="list-style-type: none">Developed a MERN stack application (React.js, Node.js, Express, MongoDB) enabling car listings, booking management, location-based search, and secure online paymentsBuilt modular APIs for reservation handling, user authentication, and vehicle data retrieval, ensuring smooth data flow between frontend and backend	

- Integrated customer feedback and rating components, implementing real-time updates and improving booking experience and platform usability by 20–30%

FoodieHub – Online Food Ordering Platform

Jul 2024 – Jan 2025

GitHub: [Click here](#)

- Developed a full-stack system with Spring Boot (Java) backend, React + Tailwind CSS frontend, and MySQL database integration for end-to-end food ordering and payments
- Created secure REST APIs for orders, user accounts, and payments with Stripe integration, focusing on robust authentication and data validation
- Improved frontend performance and state management with optimized React components, enhancing real-time responsiveness and user retention

Licenses and Certifications

Machine Learning Specialization (3 Courses)

Ongoing

DeepLearning.AI & Stanford Online

Unity Essentials Pathway

2025

Unity

AWS Educate Introduction to Cloud 101

2024

Amazon Web Services (AWS)

Skills

- **Programming Languages:** C++/C, Java, JavaScript, HTML, CSS, Dart, PHP, SQL, Python, Scala, R
- **Frameworks/Libraries:** React.js, Tailwind CSS, Bootstrap, Spring Boot, Node.js, Flutter
- **Developer Tools:** Git, GitHub Workflows, Postman, Linux, REST APIs, MVC
- **Databases:** MongoDB, MySQL, PostgreSQL, Firebase
- **Design Tools:** Figma, Canva
- **Soft Skills:** Multitasking, Communication and presentation, Problem-solving and creativity, Teamwork, Leadership

Competitions and Achievements

Hackathons and Designathons

- Winner, SLIIT Codefest Designathon (2025) — IFS
- Top 50, INTERFACE X Designathon (2025) — Asta
- Participant, IntelliHack 5.0 (2025) — University of Colombo School of Computing
- Participated in Xcelerate of SpiritX at Moraspirit 360, University of Moratuwa, focusing on innovative solutions.

Music Achievements

- First Runner-Up (2015), All Island Inter-School Western Music & Dance Competition, Junior Recorder Group
- Achieved graded practical music examination certifications up to Grade Five at the Institute of Western Music & Speech (Sri Lanka)

Sports Participation

- Participated in table tennis competitions at school and university freshers' events

References

Dr. Dinuni Fernando

Senior Lecturer, Academic Coordinator BIT Degree Program
B.Sc (Col), Ph.D (SUNY Binghamton, USA)
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