MH ASARA

Software Engineering Student — Undergraduate

📍 13, Dangala, Alapaladeniya , Sri Lanka — 📞 +94 77 828 1670

✉ asaragamage109@gmail.com — in linkedin.com/in/mh-asara-53a244357

⚙ github.com/mhasara

Professional Summary

Highly motivated Software Engineering undergraduate with strong achievements in coding competitions and software projects. Demonstrated leadership as Subcommittee Development Lead and extensive volunteer experience across technical communities. Proficient in full-stack development using C#, .NET Core, React, and modern web technologies.

Education

NSBM Green University, Sri Lanka

Bachelor of Science (Hons) in Software Engineering, Information Technology　　**Nov 2023 – Nov 2027**
Key Skills: C Programming, Java, Database Management, Web Development

Telijjawila Central College

GCE Advanced Level – Engineering Technology Stream　　**2023**

ICBT Southern Campus

Advanced English Diploma　　**2023 – 2024**

Technical Skills

- **Programming Languages:** C, Java, Python, JavaScript, SQL, HTML/CSS
- **Frameworks & Technologies:** .NET Core, ASP.NET MVC, React, Vite, Supabase
- **Databases:** MySQL, PostgreSQL, Entity Framework Core
- **Tools & Platforms:** Git/GitHub, Visual Studio, VS Code, Postman
- **Core Competencies:** REST APIs, Authentication (JWT), Row-Level Security (RLS), Responsive UI Design, Team Leadership

Experience

Assistant Secretary

STEMUP in NSBM – NSBM   **Jan 2026**

- Coordinate and support technology-driven initiatives and projects conducted under STEMUP for university programs

- Assist in mentoring and guiding team members in web development practices, documentation, and collaborative workflows

- Help organize sprint planning, task assignments, and ensure timely delivery of high-quality outputs for club activities and events

Subcommittee 23 Batch Lead

Association of Software Engineering – NSBM   **Sep 2025 – Present**

- Lead software development initiatives and coordinate technical projects for university programs
- Mentor team members on best practices in web development, code reviews, and agile methodologies
- Facilitate sprint planning and deliver high-quality software solutions within tight deadlines

Member

STEMUP Educational Foundation   **Apr 2025 – Present**

- Active participant in Member Relations and Membership Development initiatives

Member

MATHS Club – NSBM   **2025 – Present**

- Active participant in Member Relations and Membership Development initiatives

Volunteering

- **STEMUP Day of Code Volunteer** – Facilitated coding workshops and mentored students in programming fundamentals
- **CSSL Cyber Sprint Volunteer** – Assisted in cybersecurity awareness programs and technical event coordination
- **Code Club Volunteer** – Taught programming concepts to beginners and organized coding sessions
- **STEMUP in NSBM** – Ongoing volunteer work promoting STEM education   **Apr 2025 – Present**

Achievements & Awards

- **1st Place – Game Development Workshop** (Organized by Association of Software Engineering, NSBM)
- **23 Batch Lead Promotion** – Elevated from volunteer to leadership role based on technical excellence
- **2nd Place – Duothan 5.0 Inter-University Hackathon** (IEEE NSBM, 2025)
  Led team "Code Wizards" to develop Oasis Protocol application; recognized for innovation and teamwork
- **1st Place – IEEE Xtreme GreenXtream Competition** (IEEE NSBM,2025)

Projects

Restaurant Management System (Java)

Technologies: Java, OOP, MySQL

- Developed a complete restaurant management system using Java and OOP concepts
- Implemented modules for order handling, billing, and staff management
- Integrated MySQL database for real-time data storage and retrieval

Duothan 5.0 Hackathon Project

Technologies: Team collaboration, Full-stack development, Problem-solving under time constraints

- Collaborated with 6-member team to design and implement a complete software solution addressing real-world tech challenges
- Delivered functional prototype within 24-hour hackathon timeframe
- Secured **2nd place** among competing university teams

Ambulance Management System (Ongoing Project)

Technologies: React, Node.js, REST APIs

- Developing a modern web platform to track ambulances, manage emergency requests, and coordinate dispatching
- Building responsive React frontend with real-time updates and interactive UI
- Implementing API integrations for location tracking and emergency status handling

LearnArena Smart Learning System

Technologies: React, Node.js, Express, MongoDB, REST APIs

- Developed a smart learning platform to provide interactive lessons, quizzes, and progress tracking for students
- Implemented user authentication, role-based access, and real-time notifications
- Designed a responsive frontend with React and integrated backend APIs for content management
- Optimized database structure in MongoDB for efficient data retrieval and reporting

Developed multiple web and software projects. Full project portfolio available on GitHub:
github.com/mhasara

Languages

Sinhala (Native)
English (intermediate)