



# MAHEESHA NETHMINA

Aspiring Software Engineer

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Tangalle, Sri Lanka

## SUMMARY

Motivated final-year and Computer Sciences & Technology undergraduate at Uva Wellassa University of Sri Lanka with strong skills in software development and problem-solving. Experienced in building full-stack applications using Spring Boot, React, and the MERN stack, with knowledge of AWS, Docker, API integration, and database management (PostgreSQL, MongoDB). Passionate about developing scalable, efficient, and modern software solutions.

## EDUCATION

**Bachelor of Science (BSc) in Computer Science and Technology**

**2022 - Present**

Uva Wellassa University of Sri Lanka

## RESEARCH PROJECT

**Multivariate Anomaly Detection Using Machine Learning and Image Processing for Early Wildfire Detection in Wildfire-Prone Regions**

**2025 - Present**

- Conducting ongoing research on early wildfire detection using LSTM networks for anomaly detection in multivariate environmental datasets.
- Utilizing Vision Transformers (ViT) for wildfire stage classification and pattern recognition.
- Achieving improved model accuracy and early identification of wildfire-prone areas through advanced deep learning techniques.

## PROJECT

**FurniQ – Online Furniture Store**

**2025**

- Designed and developed an online furniture store as a full-stack developer using Spring Boot, React, and PostgreSQL.
- Deployed the application successfully using Render for cloud hosting and Neon for serverless PostgreSQL database management.

GitHub: [github.com/Maheesha-Nethmina/FurniQ\\_frontend](https://github.com/Maheesha-Nethmina/FurniQ_frontend)

Figma: [figma/furniQ](https://figma.com/furniQ)

**CoralStay – Beach Hotel & Coral Reef Tour Booking Platform**

**2025**

- Developed a MERN stack web application as a web designer and full-stack developer.
- Enabled users to book hotel rooms and coral reef tours
- Explored virtual reef experiences.
- Accessed personalized dashboards & Full admin panel functionality.

GitHub: [github.com/Maheesha-Nethmina/Coral-Stay\\_Frontend](https://github.com/Maheesha-Nethmina/Coral-Stay_Frontend)

Figma: [figma/coralstay](https://figma.com/coralstay)

**LifeLine – Donation System for Medical Operations**

**2024**

- Implemented LifeLine as a full-stack developer, enabling users to view verified medical cases, make secure donations, engage volunteers, and ensure transparency
- Implemented full-stack functionality using HTML, CSS, JavaScript, and Bootstrap for the frontend and PHP with MySQL for the backend.

GitHub: [github.com/Maheesha-Nethmina/Life-Line](https://github.com/Maheesha-Nethmina/Life-Line)

## PROJECT

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### ExploreX – Frontend Web Application

2024

- Designed and developed ExploreX as a web designer and frontend developer using React and CSS, creating responsive, mobile-friendly interfaces with component-based architecture and smooth navigation to enhance user experience.

GitHub: <https://github.com/Maheesha-Nethmina/Explore-X>

Figma: [figma/exploreX](https://figma.com/exploreX)

### TravelGuide — Smart Travel Planning & Booking System

2024

- Built as a team project for the Rapid Application Development module.
- Contributed as a Java developer, implementing booking, authentication, and admin management features using Java, JSP, Servlets, and MySQL.

GitHub: [github.com/Maheesha-Nethmina/TravelGuide](https://github.com/Maheesha-Nethmina/TravelGuide)

## CERTIFICATIONS

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- **Spring 6: Spring Security** – LinkedIn Learning
- **Spring Boot 3 Essential Training** – LinkedIn Learning
- **Advanced React** – Meta (Coursera)
- **AWS Cloud Practitioner Essentials** – Amazon Web Services (Coursera)
- **Docker Foundations Professional Certificate** – LinkedIn Learning
- **Introduction to DevOps** – IBM (Coursera)
- **Foundations of Software Testing and Validation** – University of Leeds (Coursera)

## TECHNICAL SKILLS

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- **Programming Languages:** Java, JavaScript, Python, PHP
- **Frameworks & Libraries:** Spring Boot, React.js, Node.js, Bootstrap, Tailwind CSS
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Tools & Platforms:** GitHub, Postman, GitHub Action, AWS, Docker, Jira, VS Code, IntelliJ IDEA
- **Design Tools:** Figma

## SOFT SKILLS

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- Teamwork and Collaboration
- Problem-Solving
- Analytical Thinking
- Effective Communication
- Continued learning

## VOLUNTEERING

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### UWU EXPO 2025

Uva Wellassa University of Sri Lanka

Worked collaboratively with a volunteer team to organize event activities and develop a marker-based AR project featured at the event.

## REFERENCES

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### Mr. M.N.T. Nandasena

Lecturer (Probationary)

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