

ERANDHI MADHUSHIKA

Software Engineer

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ABOUT

Fresh IT graduate with hands-on experience in full-stack development using JavaScript, React, and SQL. Skilled in building responsive, user-friendly web applications, optimizing performance, and designing reusable components. Strong problem-solving mindset with a passion for creating scalable, high-quality solutions and contributing to innovative, high-impact projects in agile environments.

EXPERIENCE

Trainee Software Engineer | Archnix (Pvt.) Ltd.

March 2024 - Sep 2024

Demo Project | Travel Support System

- The web app connected travelers and guides, enabling seamless matching based on location, expertise, availability, and travel preferences.
- Technologies: React.js, Express.js, Node.js, MySQL

Frontend Project | Admin Panel for a Cross-Border Shipping Platform

- Technologies: React.js

Backend Project | Recruitment Platform

- Technologies: Express.js, Node.js, MySQL

EDUCATION

BSc.(Hons.) IT - Undergraduate

May 2021 - Expected 2025

Faculty of IT - University of Moratuwa

CGPA - 3.72 | Dean's List - L01S01

Diploma in Information Technology

March 2019 Completed

Diploma in English

March 2019 Completed

TECHNICAL SKILLS

- Programming Languages:** C, Java, Python
- Web Development:** HTML, CSS, JavaScript, Spring Boot, ReactJS, ExpressJS
- Database & Version Controlling:** MongoDB, MySQL, GIT, CI/CD
- IDEs & Others :** VS Code, Visual Studio, REST APIs, Agile/Scrum

PROJECTS

Final Year Research | AI-Based Disorder Detecting System

Sep 2024 - Aug 2025

- A group research on the topic of "Integrative AI-Based Platform for Early Detection and Personalized Intervention in Neurodevelopmental Disorders."
- Team Leader
- Responsible for Deep Learning approach

ML Model for Annual Income Prediction

Oct 2024 - Dec 2024

- An ensemble model for annual income prediction using the census dataset. Evaluated 15 combinations of 4 out of 6 ML models. The voting classifier is used.

Chronic Kidney Disease Detecting Model	Sep 2024 - Oct 2024
<ul style="list-style-type: none"> A Multi-Layer Perceptron model with one hidden layer to classify the existence of chronic kidney disease in data collected in a hospital setting for two months. 	
Level 3 Independent Study Review of AI/ML for IAM	July 2023 - Nov 2023
<ul style="list-style-type: none"> A review paper on the topic of "Use of AI and ML for Adaptive Authentication to Enhance the Security of Identity and Access Management." 	
Level 2 Software Project Project Crawlee	Aug 2022 - June 2023
<ul style="list-style-type: none"> Teaching & learning platform. Features: course management, user registration, assessment tools, and analytics. Aimed at tech enthusiasts for collaborative learning. Technologies: React.js, Express.js, MongoDB, Node.js 	
Inventory Management System	Aug 2023 - Sep 2023
<ul style="list-style-type: none"> Mini-group project of microservices architecture with distributed databases. Technologies: React.js, Express.js, MongoDB, MySQL, PostgreSQL 	
Supermarket Management System	Oct 2023 - Nov 2023
<ul style="list-style-type: none"> Full-stack mini-group project done for Enterprise Application Development module. Technologies: Springboot, MySQL 	

RESEARCH PUBLICATIONS

Advancements in Feature Extraction Methods for the Diagnosis and Intervention of ADHD, ASD, and Epilepsy: A Critical Study [ICTIS 2025]	April 2025
Enhancing Identity and Access Management Security with Adaptive AI and ML-Based Authentication: A Critical Review [ICTIS 2025]	April 2025

CERTIFICATIONS

WSO2 Identity Server Fundamentals - V5.11	January 2022
Introduction to Cybersecurity CISCO	March 2021
CCNA 200-301 CISCO	March 2021 - March 2024

ACHIEVEMENTS

District Taekwondo Matches Gampaha District - Bronze Medal	March 2024
University Colors 2024	March 2025

OTHER EXPERIENCES

Batch Representative University of Moratuwa	Sep 2024 - Aug 2025
Member of Taekwondo Team University of Moratuwa	August 2022 - Present
Mentor Coordinating Mind Meld 2023 University of Moratuwa	November 2023
Member Rotaract Club of University of Moratuwa	July 2021 - Aug 2025

REFEREES

Dr. Thushari Silva
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 Department of Computational Mathematics,
 Faculty of Information Technology,
 University of Moratuwa.
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