

THARIDU HERATH

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| GitHub: [ThariduNherath](https://github.com/ThariduNherath) – Overview

PROFILE

I'm a Bachelor of Information Technology (BIT) student at the University of Moratuwa with a strong passion for creating practical and user friendly software solutions. I enjoy turning ideas into real applications using modern tools like React, Firebase, and MySQL. I'm a fast learner who values clean, efficient code and I'm always eager to explore new technologies that make a real impact.

EDUCATION

Bachelor of Information Technology (Reading) | Present: 2025
University of Moratuwa (UOM)

Diploma in Software Engineering | Completed: 2024
National Apprentice and Industrial Training Authority (NAITA) | 2023 – 2024

Certificate in Computer Science | Completed: March 2023
National Institute of Business Management (NIBM)

G.C.E ADVANCED LEVEL IN TECHNOLOGY STREAM | Completed: March 2023(2022)
(St.Sylvesters college Kandy)

SKILLS SUMMARY

Languages: Python, JavaScript, C#, PHP, Kotlin

Databases/OS: MySQL, M, SQLite, Firebase, Windows

Libraries/Tools: Axios, Bootstrap, Tailwind CSS

Frameworks/Tools: React.js, Node.js (Express.js)

Version Control & Dev Tools: Git, GitHub, VS Code, Postman, Chrome DevTools

Soft Skills: Critical Thinking, Problem Solving, Effective Communication

WORK EXPERIENCE

Full Stack Developer | Proxima Technologies (Pvt.) Ltd – Kegalle, Sri Lanka

Duration: May 2025 – PRESENT (6 months)

Jewellery/Gem Certificate System

- Created a **digital certificate management system** for jewellery and gems using **React.js** and **MySQL**.
- Developed a **secure login system** with **role-based admin access**.
- Built an **admin dashboard** to manage, update, and manipulate certificate records.
- Implemented **PDF generation** for authentic, downloadable certificates.
- Designed a **data-driven management system** for certificate tracking and verification.
- Enhanced system efficiency with a **responsive and user-friendly interface**.

POS Furniture Local System

- Developed the **login system** to provide secure access for admins and staff.

- Created the **core management functionality** for products, customers, and transactions.
 - Built an **admin dashboard interface** to manage data efficiently.
 - Optimized **usability and data handling** within the features you implemented.
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PROJECTS

Shoe Website with React & Firebase

- Developed a fully responsive and interactive **shoe e-commerce website** using **React.js** and **Firebase**.
- Implemented **user authentication** and an **admin dashboard** for managing users and products.
- Integrated **EmailJS** for sending automated email notifications on sign-up and contact submissions.
- Added a **chatbot** for real-time customer interaction and support.
- Designed a **dynamic search and filtering feature** for shoes with smooth animations and modern UI effects.
- Ensured **cross-device responsiveness** and optimized performance using Firebase for real-time data storage.

Gold Jewellery Certificate System

- Built a predictive model using Python to minimize financial risk for a bank.
- Applied logistic regression and random forest algorithms for accurate loan default prediction.
- Achieved 92% accuracy on test data with optimized hyperparameters.
- Designed a Power BI dashboard for visualizing loan approval trends and model performance.

Library Management System (C# & MySQL)

- Developed a **desktop-based library management system** using **C#** with **MySQL** as the backend.
 - Implemented an **admin role** for managing books, users, and borrowing records efficiently.
 - Designed an **interactive dashboard** for viewing and controlling all library activities in one place.
 - Integrated **CRUD functionalities** for adding, updating, and deleting book and user records.
 - Ensured **data integrity** and secure database transactions through proper validation and SQL operations.
 - Created a **modern, user-friendly interface** to improve usability and streamline library operations.
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CERTIFICATES

- **Certificate in Python Programming** – University of Moratuwa
 - **Certificate in Front-End Web Development** – University of Moratuwa
 - **Certificate in Server-Side Web Programming** – University of Moratuwa
 - **Certificate in Introduction to Software Quality Assurance (Software Tester)** – University of Moratuwa
 - **Certificate in Web Design For Beginners** – University of Moratuwa
 - **Certificate in Python For Beginners** – University of Moratuwa
 - **Certificate in Computer Science** – NIBM
 - **Certificate in Gemini For Google Workspace** – Google Cloud
 - **Certificate in Introduction to Cybersecurity** – Cisco Networking Academy
 - **Certificate in Introduction to Data Science** – Cisco Networking Academy
 - **Certificate in Applying AI Principles with Google Cloud** – Google Cloud
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ADDITIONAL INFORMATION

- Strong analytical and problem-solving skills with a focus on data-driven decision-making.

- Excellent communication and teamwork abilities demonstrated through collaborative projects.
- Passionate about AI, data science, and developing innovative technology solutions.