

# THARIDU HERATH

Email: [thariducherath7@gmail.com](mailto:thariducherath7@gmail.com) | Phone: +94 71 453 9596 | LinkedIn: [www.linkedin.com/in/tharidu-herath](https://www.linkedin.com/in/tharidu-herath)  
| GitHub: [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.
- 

## 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.
- 

## 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
- 

## 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.