

Pamoth Kumarasinghe

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Education

University of Moratuwa Moratuwa, Sri Lanka
Bachelor of Science in Computer Science and Engineering 2023 – Present

- Overall GPA: **3.40/4.00**

Advanced Level Examination Kegalle, Sri Lanka
Physical Science Stream — Z-Score: 2.2527 2023

- District Rank: **23rd in Kegalle** — Island Rank: **535**

Technical Skills

Programming Languages: JavaScript, Java, Python, C/C++, HTML5, CSS3

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, FastAPI, Flutter

Databases: MySQL, PostgreSQL, MongoDB

Tools & Technologies: Git, GitHub, REST APIs, WebSockets, RBAC, Object-Oriented Programming (OOP)

Cloud & DevOps: Docker

Projects

Siyowin - LMS Platform | 🌐 Live | 🐙 GitHub | *Node.js, Express.js, Next.js, MySQL* 2025 – Present

- Developed a scalable learning management system supporting over **1,000 users**.
- Implemented teacher's page, course creation, assignment creation, adding marks and assignment tracking.
- Design and Normalize the database.

ResQHub – Resource Coordination Platform | *React, Node.js, Express.js, PostgreSQL, Docker, Kafka, Flutter, WebSockets* 2026 – Ongoing

- A disaster-response platform connecting communities, donors, volunteers, and organizations to coordinate resources, requests, and relief operations efficiently.
- Developed the User Service, implementing JWT-based authentication and validation utilities.
- Owned the database schema and Supabase configuration, designing the data model and managing database integration
- Set up GitHub Actions CI/CD and established the web application foundation for the platform

Soyuru Sathkara | 🌐 Live | 🐙 GitHub | *Next.js, Frontend Development, SEO* 2025

- Soyuru Sathkara is a university platform designed to connect students, share resources and help them with their academics in O/L
- Designed the user interface and implemented responsive frontend components using Next.js.
- Implemented SEO improvements (GSC, Bing Web Master) to increase search visibility and website discoverability.

KESS Inspire - LMS Platform | 🌐 Live | 🐙 GitHub | *React, Node.js, Express.js, Cloudinary* 2025

- Contributed to an examination management platform used by over **600 students** in Kegalle district.
- Developed the invigilator attendance-marking functionality with the UI.
- Implemented student categorization based on school information.
- Designed and optimized the relational database.

SkyNest Hotel Reservation System | *React, Node.js, Express.js, PostgreSQL, Stripe, Docker* 2025

- Contributed to a multi-tenant hotel management system supporting three hotels.
- Focused on ERD design and PostgreSQL database optimization.
- Led development of the Service Office module for guest service requests.
- Implemented service creation and service-charge management.

Achievements

4th Place: HaXtreme 5.4.0 Hackathon University of Ruhuna

5th Place: UoJ Coders 5.0 University of Jaffna

6th Place: UoJ Coders 4.0 University of Jaffna

10th Place: SLIITXtreme 4.0 SLIIT

Certifications

Problem Solving (Intermediate) HackerRank

- Credential ID: 1C77C422D137

Problem Solving (Basic) HackerRank

- Credential ID: 0CBD3290E5C5

Java (Basic)

HackerRank

- Credential ID: E5DDD63C92A5

Leadership & Volunteering

Program Committee Member

ADScAI 2026

- Supported speaker coordination and technical-session organization.

2026

Team Handler

Hit the Grounds

LK Domain Team

2025

- Coordinated and supported the LK Domain Team during the event.

References

Prof. Dulani Meedeniya

Department of Computer Science & Engineering

University of Moratuwa

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Dr. Adeesha Wijayasiri

Department of Computer Science & Engineering

University of Moratuwa

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Industrial Training Coordinator