MALINDU DINUSHKA

☎ +94770041775 ✉ mdhherath@gmail.com

LinkedIn: https://linkedin.com/in/malindu-dinushka

GitHub: https://github.com/MalinduDinushka

Hackerrank: https://hackerrank.com/profile/mdhherath

PROFILE SUMMARY

Third year IT undergraduate at the University of Moratuwa with strong problem-solving and teamwork skills. Passionate about learning software development, I am seeking a Software Engineering internship to apply my knowledge and gain valuable industry experience.

PROJECTS

1. MediConnect - Healthcare Networking Platform | Full Stack Developer   2024
(Second Year Software Project)

- Led design and development of a multi-role healthcare platform for recruitment and education workflows.
- Implemented JWT authentication role-based access control and secure REST APIs.
- Built profile management with Cloudinary photo storage and validated updates.
- Delivered real-time one-to-one chat with message persistence and media sharing.
- Created role-specific dashboards for recruiters, physicians and students.

Technologies- React.js, TypeScript, Node.js, Express.js, MongoDB, WebSocket, Cloudinary, JWT, bcrypt, Tailwind CSS

GitHub- Front-end: **GitHub Link**   Back-end: **GitHub Link**

2. GearUp - Automotive Service Management Platform | Full Stack Developer   2025

- Built an admin management system featuring material request workflows, appointment slot scheduling and analytics dashboards using React.js, Next.js and TypeScript.
- Developed Spring Boot microservices (parts, appointments, analytics) with PostgreSQL, secure JWT authentication and role-based access control.
- Implemented real-time approval flows, inventory tracking, conflict-aware time slot management and KPI dashboard visualizations.
- Deployed a scalable, containerized microservices architecture using Docker, API Gateway, RabbitMQ and Redis for efficient service coordination.

Technologies- React.js, Next.js, TypeScript, Tailwind CSS, Spring Boot, Java, PostgreSQL, Firebase Auth, Docker, RabbitMQ, Redis, API Gateway

GitHub- Front-end: **GitHub Link**   Back-end: **GitHub Link**

3. MediCare Plus – Doctor Channeling Web App | Full-Stack Developer   2024

- Developed a doctor search and appointment booking system with patient record management.
- Designed a responsive user interface ensuring smooth user experience across devices.
- Implemented backend logic and database integration to deliver a seamless healthcare workflow.

Technologies- Laravel, PHP, MySQL, HTML, CSS, Bootstrap

GitHub- Front-end: **GitHub Link**   Back-end: **GitHub Link**

4. Real-time Automated Acid Dilution System   **2023**
(Microcontroller-Based Hardware Project)

- Built a microcontroller-based system to automate the acid dilution process and enhance lab safety.
- Integrated sensors for real-time monitoring, alerting and automatic emergency shutdowns.
- Worked on system integration, safety control mechanisms and hardware–software interfacing for reliable operation.

  Technologies- Microcontrollers, Time-of-Flight Sensors, Ultrasonic Sensors, Gyroscope, Temperature sensors

EDUCATION

BSc (Hons.) Information Technology & Management (Undergraduate)   **2023-2027**
Faculty of Information Technology, University of Moratuwa.
CGPA-3.21(4.0)

G.C.E. Advanced Level   **2021**
Central College Kuliyapitiya
Z Score: 1.5998

TECHNICAL SKILLS

- **Programming Languages** - Java , C , PHP , TypeScript
- **Front-end Development** - HTML , CSS , Next.js , React.js , Tailwind CSS , Bootstrap
- **Back-end Development** - Spring Boot , Node.js , Express , Laravel
- **Databases** - MongoDB , My SQL , MSSQL , PostgreSQL
- **Version Control** - Git
- **Design & UI/UX** - Photoshop , Figma , Canva

SOFT SKILLS

- Critical Thinking
- Problem Solving
- Leadership through Sports
- Teamwork & Collaboration
- Adaptability & Continuous Learning

EXTRACURRICULAR ACTIVITIES

- University Colours Award Winner – University of Moratuwa
- Player – University of Moratuwa Elle Team
- Player – University of Moratuwa Carrom Team
- Batch Representative – ITM 2024/2025 (Second Year)

REFEREES

Charith Jayakantha
Senior Software Engineer at Aventude
Phone : +94 772578454
Email : charithmadu97@gmail.com

Prof. (Mrs.) Thanuja C. Sandanayake
(PhD, MPhil, BSc)
Professor
Department of Interdisciplinary Studies
Faculty of Information Technology
University of Moratuwa
Phone : +94 717646462
Email : thanujas@uom.lk