

Fikry Nuhuman

University of Peradeniya, Sri Lanka

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Education

University of Peradeniya	Sri Lanka
B.Sc. (Hons) in Computer Engineering, Current GPA: 3.9/4.0	2023 – Present
Gampola Zahira College	
G.C.E. Advanced Level, Z-Score: 2.67, Island Rank: 53, District Rank: 3	2019 – 2022

Professional Experience

Cloud-Based Shipment Management System Software Developer (Freelance)	UAE / Remote 2024 – Present
<ul style="list-style-type: none">Developed and deployed a full-scale cloud-based shipment management system with detailed reporting and a scalable database structure.Implemented automated handling of payment and invoice records.Currently used by a logistics company in the UAE as their main operational system.	
OASIS AI Integrated Flutter App EngEx 2025 Presentation	University of Peradeniya 2025
<ul style="list-style-type: none">Designed and developed a Flutter frontend integrated with a Spring Boot backend for a medical AI application.Collaborated with dental professionals to present a live demonstration at EngEx 2025.	
Point of Sale Systems Software Developer	Sri Lanka / UAE 2022 – 2024
<ul style="list-style-type: none">Installed, configured, and maintained multiple POS systems for retail clients.Analyzed client requirements and provided long-term technical support and updates.	
Causal Instructor Department of Computer Engineering	University of Peradeniya 2024 – 2025
<ul style="list-style-type: none">Instructed laboratory sessions for Programming Methodology (CO222) – 2025.Instructed laboratory sessions for Programming for Engineers (CO1010) – 2024.	

Selected Projects

Full-Stack Web Application Cloud-Based Shipment Management System	2023 – Present
<ul style="list-style-type: none">Designed and implemented a multi-user system to manage shipments, invoices, and payments, featuring real-time data visualization and analytics.	
Inventory Management System Fivestories	2023
<ul style="list-style-type: none">Developed a large-scale inventory management platform supporting efficient stock tracking and reporting.	
Production Management System Kandhurata Umbrellas	2022
<ul style="list-style-type: none">Built a medium-scale production monitoring system improving operational efficiency and data organization.	
Web Application Development Doha Consulting, Shopywin & Shopyads	2023 – 2024
<ul style="list-style-type: none">Contributed to both backend and frontend development using Laravel, Node.js, and Flutter; implemented admin dashboards and client-side integrations.	
3D Visualization Tool 3D Integrated Flutter App	2024
<ul style="list-style-type: none">Integrated interactive 3D GLB file rendering and animation control in Flutter apps using model viewer.	
Event Platform Ruusara Digital Creation Competition Website	2024
<ul style="list-style-type: none">Designed and deployed a website for managing digital content competitions with user submission and judging features.	

Competitions

Aces Coders v11.0 Algorithmic Programming Competition, Finalist Team: Algorithmic Avengers.	University of Peradeniya 2024
Aces Coders v10.0 Algorithmic Programming Competition, Finalist Team: Infinite Coders.	University of Peradeniya 2023
IEEEExtreme 18.0 Algorithmic Programming Competition Participated in the global challenge organized by IEEE and ranked among first 1000.	University of Peradeniya 2024

Research Experience

In collaboration with University of Pennsylvania Co-Author & Research Assistant	University of Peradeniya 2023 – Present
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- Predicting Hip Fractures using Machine Learning Models – Accepted Abstract.
- Predicting Osteopenia and Osteoporosis within 5 and 10 years – Predictive modeling using ML techniques.
- Rib Fracture Detection in Chest X-rays – Deep learning-based image classification study.
- Scoliosis Detection using Image Transformers – Developed a data-efficient transformer model for radiographic analysis.

Diurnal Variation of Clinical Biomarkers — BMES 2025 (Oral Presentation)

Accepted for oral presentation at the Biomedical Engineering Society (BMES) Annual Conference 2025, marking the first significant recognition of my research career in biomedical machine learning research.

Skills

Programming: Python, C, C++, Java, JavaScript, Dart, Verilog HDL, ARM Assembly

Frameworks & Tools: Flutter, Node.js, Express.js, Spring Boot, Laravel, Docker, MongoDB, Git/GitHub, VS Code

Core Competencies: Networking, Operating Systems, Database Design, Cross-Platform Development, Unit/Integration/System Testing

Soft Skills: Public speaking, Critical Thinking, Time Management, Teamwork, Quick Learning

Languages: Fluent in English and Sinhala

Selected Certifications

Harvard University (Online): CS50x – Fundamentals of Computer Science and Programming

CS50W – Web Programming with Python and JavaScript

CS50AI – Introduction to Artificial Intelligence with Python

Coursera (Andrew Ng): Supervised Machine Learning, Advanced Learning Algorithms

Coursers - Google: Foundations: Data, Data, Everywhere

References

Dr. Isuru Nawinne: Senior Lecturer, Department of Computer Engineering,
University of Peradeniya

✉ isurunawinne@eng.pdn.ac.lk

Dr. Gayana Jayasinghe:

University of Peradeniya

✉ mgsjayasinghe@gmail.com

Availability & Platforms

Platforms: Windows, Linux, Android, and iOS devices

Time Commitment: Available for approximately 12–18 hours per week