

AQUEEL ISHAK

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🔗 [GitHub](#) | 🔗 [Portfolio](#)

PROFESSIONAL SUMMARY

Results-driven Full-Stack Developer with a strong foundation in both frontend and backend technologies, including React, Node.js, Python, Flask, and .NET. Adept at building scalable, user-centric web applications with clean architectures and modern UI/UX practices. Proven ability to integrate AI capabilities into software solutions, leveraging machine learning models, NLP, and automation to solve real-world problems. Passionate about continuous learning, cross-functional collaboration, and delivering high-impact digital experiences with performance, security, and maintainability in mind.

EDUCATION

Bachelor of Software Engineering (Honors)

The Open University of Sri Lanka | *2nd Year (Reading)*

Bachelor of Information Technology

University of Colombo School of Computing | *Final Year (Reading)*

Comprehensive Master Java Developer ([CMJD](#))

Institute of Software Engineering ([IUSE](#)) | *Completed*

TECHNICAL SKILLS

- Programming Languages & Frameworks
- Java (Core, Swing, FX, Multi-threading, Collections)
- Python (Currently Learning – Backend Development, Scripting)
- JavaScript (ES5, React, Node.js)
- HTML5, CSS3, Bootstrap, Tailwind, JavaFX, JFoenix
- Spring Boot (Backend, REST APIs, Web Services, Security)
- Hibernate ORM
- React (Frontend Development)

Database Management & Tools

- **MySQL, JDBC** (Database Integration)
- **Database Management Systems (DBMS)**
- **Git, GitHub** (Version Control)

Development Practices & Tools

- **Development Tools:** IntelliJ IDEA, NetBeans, VS Code
- **Design Patterns:** Singleton, Factory, DTO, DAO
- **Software Development:** Agile methodology, Object-Oriented Programming (OOP), MVC Architecture
- **Web Application Deployment:** Cloud deployment and hosting, Responsive web design

PROJECTS

- **Fitness Tracker**
 - Developed a web app to monitor workouts, calories, and progress, with dynamic charts and user authentication.
- **Syntax Education**
 - Built an e-learning platform for coding tutorials and quizzes, supporting user progress tracking and admin controls.
- **Sri Lanka Railway Timetable**
 - Created a timetable viewer with real-time train schedules and filtering by routes, stations, and train types.
- **Online Exam Portal**
 - Designed a secure exam system with timed tests, auto-evaluation, and role-based access for students and admins.
- **Polling System**
 - Implemented an online voting platform with real-time result charts and one-vote-per-user/IP validation.
- **A Login Page**
 - Crafted a secure and responsive login interface with input validation, session handling, and error feedback.

- **Green Leaf Hospital**
 - Built a hospital management system with modules for doctor scheduling, patient registration, and appointment booking.
- **Portfolio Website**
 - Developed a modern, animated portfolio using React and Tailwind, showcasing projects, skills, and contact features.
- **Expense Tracker**
 - Created a responsive tracker with local Storage support, category-wise filtering, and data visualization with Chart.js.
- **Doctor Roster Generator**
 - Engineered a dynamic scheduling tool for hospital departments, skipping weekends/holidays via calendar integration.
- **File Organizer**
 - Built a desktop tool to organize files by type/date with undo/redo support, drag-and-drop, and summary statistics.
- **Travel Booking App**
 - Designed a full-featured booking app with location-based search, booking history, and dynamic pricing logic.
- **Library Management System**
 - Developed a system to manage books, members, and issue/return operations with overdue tracking.
- **Super Market Management System I**
 - Created a POS system managing products, billing, and stock, with a clean GUI and sales reporting.
- **Super Market Management System II**
 - Enhanced version of the POS system with barcode scanning, discount rules, and user role management.
- **Employee Management System**
 - Built a CRUD-based system to manage employee records, roles, and payroll information.
- **Students Marks Management System**
 - Developed a system to record, compute, and visualize student marks with export and filtering features.

PROFESSIONAL EXPERIENCE

IT Tutor

Self-Employed | Current

- Conduct G.C.E. O/L and A/L ICT classes in both English and Sinhala mediums.
- Deliver lessons in English, Sinhala, and Tamil fluently, adapting teaching style to suit diverse student needs.
- Currently teaching both **individual and group classes**, as well as **online sessions**, to ensure flexible and accessible learning.
- Teach core ICT concepts and practical skills including programming and web development.
- Design custom lesson plans, practice exercises, and assessments to help students excel in both theory and practical components of the syllabus.
- Motivate and mentor students to develop technical competence, critical thinking, and exam confidence.

REFERENCES



Mr. A.W.M. Zuhree

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Mr. Issadeen Baseem

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