# SHALON FERNANDO
## INTERN SOFTWARE ENGINEER

## CONTACT

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- ⭘ https://github.com/3hal0n

## EDUCATION

**2023-present**
**SLIIT**
BSc. (Hons) in Information Technology

**2008 - 2022**
**MARIS STELLA COLLEGE**

## SKILLS

- Object-Oriented Programming (OOP)
- Data Structures and Algorithms
- Programming Languages:
    Java, Python, Javascript, Typescript, Php, Html, CSS, Kotlin
- Tech Stacks:
    MERN, NEXT JS, Python flask
- SQL and Database Concepts
- Cloud Environments (Basic AWS)
- Software Development Lifecycle (SDLC)
- Agile/Scrum Methodology
- Technical Documentation

## TECH STACKS

- MERN
- NEXT JS
- JAVA
- KOTLIN
- PYTHON

## PROFILE

I am a results driven Full Stack Developer with strong expertise in building dynamic, scalable web applications using the **MERN stack, Next.js, PHP, and Spring Boot (Java)**. Proficient in both front-end and back-end development, with hands-on experience in **RESTful APIs**, **MySQL/MongoDB** integration, and responsive UI design using **HTML, CSS, and JavaScript**. Skilled in crafting seamless user experiences, managing application state, and writing clean, maintainable code. Adept at collaborating in **agile** environments and continuously learning new tools to stay current with industry trends. Passionate about solving real-world problems through efficient, user centric software solutions.

## PROJECTS

- **Arogya– Patient Management System | GitHub**
  - Web-based system to manage patients, appointments, and medical records
  - Role-based login via Appwrite, real-time updates, and report uploads.
  - Admin dashboards with data visualization and 3D model integration via React Three Fiber.
  - Tech: Next js ·React.js · Appwrite · Three.js · Tailwind · Chart.js

- **PDF Chat AI | GitHub**
  - AI-powered PDF QnA app using RAG (Retrieval-Augmented Generation).
  - Built with Streamlit using instructor-xl for embeddings and flan-t5-large for answer generation.
  - FAISS powers fast semantic search over chunked PDFs.
  - Features include multi-PDF upload, conversational memory, and clean chat interface.
  - Tech: Python · Hugging Face · FAISS · Streamlit

- **Item Inventory & Maintenance Management System | GitHub**
  - A full-stack web application designed to streamline asset management through efficient inventory tracking, real-time alerts, and maintenance scheduling in a secure, role-based environment.
  - Built with the MERN stack, featuring JWT-authenticated access levels (Admin, Manager, Employee).
  - Inventory module allows item CRUD operations with real-time low-stock alerts and reorder thresholds.
  - Logs usage by project, date, and purpose with built-in maintenance history and future scheduling.
  - Integrated 3D asset viewer using Three.js for interactive inspection of .glb/.gltf models.
  - Exportable reports (PDF/CSV) and visual dashboards built with Chart.js and Recharts.
  - Fully responsive design for desktop and mobile environments.

## AWARDS

Dean's List Award — Year 1 Semester 2
- Achieved a GPA of 3.74 for academic excellence.

## COMPETITIONS

Participant — VibeFlow AI Hackathon by STEM LINK
- Competed in an AI-focused hackathon organized by STEM LINK.

## EXTRACURRICULARS

- Actively play basketball for SLIIT team
- Regularly participate in university basketball competitions
- Maintain a consistent fitness routine with regular workouts

## REFERENCE

**Estelle Darcy**

Wardiere Inc. / CTO

Phone:   123-456-7890

Email :   hello@reallygreatsite.com

**Harper Richard**

Wardiere Inc. / CEO

Phone:   123-456-7890

Email :   hello@reallygreatsite.com

## LICENSES & CERTIFICATIONS

- AWS for Beginners — Simplilearn (Issued Jul 2025)
  Credential ID: 8640308
- Agile Scrum Foundation — Simplilearn (Issued Jul 2025)
  Credential ID: 8557338
- Front-End Web Development — University of Moratuwa (Issued Jul 2025)
  Credential ID: qFUzVohsmY
- Generative AI for Beginners — Simplilearn (Issued Jul 2025)
  Credential ID: 8588189
- Getting Started with Docker — Simplilearn (Issued Jul 2025)
  Credential ID: 8576333
- GitHub Basics — Simplilearn (Issued Jul 2025)
  Credential ID: 8559322
- Hugging Face Projects — Simplilearn (Issued Jul 2025)
  Credential ID: 8647177
- Introduction to Kanban — Simplilearn (Issued Jul 2025)
  Credential ID: 8640416
- Introduction to Prompt Engineering — Simplilearn (Issued Jul 2025)
  Credential ID: 8590124
- Introduction to Prompt Engineering with GitHub Copilot — Simplilearn (Issued Jul 2025)
  Credential ID: 8592998
- JavaScript for Beginners — Simplilearn (Issued Jul 2025)
  Credential ID: 8630648
- Langchain Course for Beginners — Simplilearn (Issued Jul 2025)
  Credential ID: 8598970
- Prompt Engineering Applications — Simplilearn (Issued Jul 2025)
  Credential ID: 8592443
- Front End Development Libraries — freeCodeCamp (Issued Jun 2025)
  Credential ID: fcc-62c83883-49b6-4a77-ad3b-10e101db8211-fedl
- Full-Stack Development 101 — Simplilearn (Issued Jun 2025)
  Credential ID: 8524763
- Introduction to PHP — Simplilearn (Issued Jun 2025)
  Credential ID: 8521990
- JavaScript Algorithms and Data Structures — freeCodeCamp (Issued May 2025)
  Credential ID: fcc-62c83883-49b6-4a77-ad3b-10e101db8211-jaads
- Python for Beginners — University of Moratuwa (Issued May 2025)
  Credential ID: wK3BwjZLBs
- Responsive Web Design — freeCodeCamp (Issued May 2025)
  Credential ID: fcc-62c83883-49b6-4a77-ad3b-10e101db8211-rwd
- Web Design for Beginners — University of Moratuwa (Issued May 2025)
  Credential ID: jPtem2uirI