Gihan Bandara

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SUMMARY

I'm an undergraduate at SLIIT specializing in Information Technology, with a strong foundation in Full-Stack Web Development, UI/UX Design, Cloud Computing, Networking, and Quality Assurance. I have experience working in collaborative, fast-paced environments and bring strong communication, time management, and problem-solving abilities. I'm currently seeking an internship opportunity where I can apply my academic knowledge to real-world projects, contribute effectively to a dynamic team, and further develop both my technical and creative skills.

WORK EXPERIENCE

Software Developer (UI/UX Designer & IoT Engineer)   Jul 2024 - Jan 2025
Sri Lanka Telecom | Colombo, Sri Lanka
Served as a UI/UX Designer and IoT Engineer at SLT Digital Lab, creating responsive user interfaces and developing IoT solutions that integrate hardware with front-end applications. Collaborated with cross-functional teams to deliver innovative, user-focused digital products.

- Contributed to UI design and responsive web development projects. (Fazenda Smart Agro, DHL Warehouse)
- Worked on IoT-based solutions integrating hardware devices with front-end interfaces. (Fazenda Smart Agro, DHL Warehouse)
- Gained practical experience in Internet of Things (IoT), UI/UX Design, Front-end technologies, and collaborative development environments.

PROJECTS

OrderSnap - Online Food Ordering System, Link   2025
- **Technologies:** Java Servlet, OOP Concepts
  Developed a Java Servlet-based web application implementing object-oriented programming principles. The system enables users to browse menus, place orders, and manage transactions securely.

Traffic Guardian - Intelligent Traffic Management System (Group Research Project), Link   2024
- **Technologies:** Python 3, Node.js, React, HTML, CSS, JS, Bootstrap, SQL Server, IoT Devices
  Researched and developed a traffic violation management component utilizing image processing, machine learning, and IoT integration. Built a user-friendly web application to automate violation detection and reporting with real IoT hardware, with Research Documentation (Reports & Journal)

MediHelp - Health Management System, Link   2023
- **Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js)
  Developed a health management system to streamline secure supply of vital medical resources between hospitals. Implemented advanced algorithms to efficiently connect organizations for optimized resource distribution.

Foodies - Social Media Web Application, Link   2023
- **Technologies:** Spring Boot, React.js
  Built a dynamic social media platform for sharing and discovering culinary experiences. Designed interactive features to enhance user engagement and content discovery.

Redesign Website UI for Riyasewana.lk, Link   2023
- **Tools:** Figma, Mockflow, Adobe Photoshop
  Led UI/UX redesign of key functionalities including Login, Registration, and Profile Editing to improve usability and navigation, using wireframing and prototyping tools.

EDUCATION

BSc (Hons) in Information Technology, IT | Sri Lanka Institute of Information Technology, Malabe	2021 - Present
Diploma, Information Technology | ESOFT Metro College, Bandarawela	2019
Diploma, English | ESOFT Metro College, Bandarawela	2019
G.C.E. Advanced Level , Bio Systems Technology | Dharmapala College , Bandarawela	2018

SKILLS

- **Languages:** Sinhala, English
- **UI/UX & Design:** UI/UX Design, Wireframe Designing, Prototyping, Graphic Design, Figma, Mockflow, Canva, Adobe Photoshop, Adobe XD
- **Development:** Full-Stack Web Development (Frontend & Backend), Object-Oriented Programming, Version Control, API Integration, Visual Studio Code, GitHub
- **Database Management:** Basic Database Design & Management, MySQL Workbench, Mongo DB
- **Cloud & DevOps:** Amazon Web Services (AWS), Microsoft Azure
- **Networking & IoT:** Basic Networking Concepts & Protocols, IoT Architecture & Communication Models, Cisco Packet Tracer
- **Quality Assurance:** Theoretical QA Knowledge (SDLC), Software Testing Fundamentals
- **Productivity & Collaboration:** Microsoft Office, MS Teams, Google Meet, Zoom
- **Soft Skills:** Strong Communication, Team Collaboration, Time Management, Organizational Skills, Analytical & Problem-Solving Abilities
- **Interests:** Frontend Development, UI/UX Design, Graphic Design, Cloud Computing

CERTIFICATIONS & BADGES

ACE MultiCloud Network Associate, Aviatrix	Sep 2025
AWS SimuLearn: Generative AI Practitioner, AWS	Sep 2025
AWS Cloud Practitioner Essentials, AWS	Jul 2025
Introduction to Data Science, Cisco Networking Academy	Jul 2025
Introduction to IoT, Cisco Networking Academy	Mar 2025
Networking Basics, Cisco Networking Academy	Mar 2025
Certificate of Completion Software Developer Internship, Sri Lanka Telecom	Jan 2025
AWS Academy Graduate - AWS Academy Cloud Foundations, Amazon Web Services	Sep 2024