CHAMARA PERERA

Lathpandurage Chamara Charika Perera

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Profile Summary

I am an undergraduate IT student with hands-on experience as an IT trainee. During my internship, I gained practical knowledge in troubleshooting, system support, and working with various IT tools. I am a quick learner with a strong interest in software development and emerging technologies, seeking opportunities to enhance my skills and contribute to innovative IT projects.

Experience

Airport and Aviation Services (Sri Lanka) (Private) Limited | Software Engineer Intern   Dec 2024 – May 2025

- Gained hands-on experience in software development, server management, and system integration within the IT Division.
- Collaborated with senior IT staff on system maintenance and troubleshooting, ensuring smooth daily operations.
- Assisted in deploying, testing, and maintaining applications and network services.

Education

BSc (Hons) in Information Technology Specializing in Information Technology   2023 – 2026 (Expected)
Sri Lanka Institute of Information Technology (SLIIT)

GCE Advanced Level (A/L), Technology Stream   2021(2022)

GCE Ordinary Level (O/L)   2018

Skills & Abilities

Programming Languages & Frameworks :

- Python, C, C++, C#, .NET, JavaScript, HTML5, CSS3, Tailwind CSS, React.js, Node.js, Express.js

Databases:

- MySQL, MariaDB, MongoDB

Tools & Platforms:

- Git, GitHub, Windows Server, Red Hat Linux, WampServer, PM2, WordPress, NSIS, OpenCV, YOLOv8, RTSP, Tkinter

UI/UX Design:

- Figma

Soft Skills:

- Creativity, Leadership, Problem Solving, Teamwork, Quick Learner

Projects

StockSpot Inventory Management System | Associated with AASL (Individual Project)

- Developed a web application to manage office inventory using Node.js, React.js, Express.js, and MariaDB. The system tracks items, manages warranties, and generates reports. I deployed it on a Windows Server and ensured compatibility on Red Hat Linux, using PM2 for process management and enabling multi-user access.

SpaceChecker Parking Space Detection System | Associated with AASL (Individual Project)

- Developed a Python desktop application using OpenCV, YOLOv8, and Tkinter for real-time parking space detection, featuring an intuitive slot management interface and packaged as a standalone executable with NSIS

Object Detection and Tracking System | Associated with AASL (Individual Project)

- Developed a Python-based real-time object detection and tracking system using YOLOv8, OpenCV, and Tkinter to monitor CCTV feeds and send notifications when a tracked item goes missing, enhancing security.

WordPress Website Development | Associated with AASL (Individual Project)

- Created and customized a website component using WordPress, WampServer, and phpMyAdmin.

LakeView Gaming Zone Web Application | Associated with SLIIT (Group Project)

- Collaboratively developed a game zone management platform using React.js (Vite), Node.js, and MongoDB, featuring management of games, food services, staff, bookings, events, and resources. Demonstrated teamwork and technical skills to streamline operations and enhance user experience.

TaskManager Task Management Mobile Application | Associated with SLIIT (Individual Project)

- Developed a mobile task management app using Kotlin and XML in Android Studio, enabling users to add, edit, and delete tasks. Implemented persistent storage with SharedPreferences to retain data across sessions, ensuring reliable daily task management.

Certifications & Courses

AI/ML Stage – 1 | Sri Lanka Institute of Information Technology (SLIIT)

WordPress Fundamentals – Content Management System (CMS) | Alison

Python for Beginners | University of Moratuwa

Foundational C# with Microsoft | freeCodeCamp

References

Mrs. W. P. K. Fonseka
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