Anjalee Neelika

Computer Science Graduate

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Summary

Computer Science graduate with an interest in developing innovative software solutions. Proficient in multiple programming languages with a foundation in key programming concepts and hands-on experience in full-stack web development. Eager to apply academic knowledge and practical skills to contribute to innovative software engineering projects while continuously learning new technologies and gaining industry experience.

Working Experience

Research Assistant - University of Colombo School of Computing   Sep 2024 - Mar 2025

- Developed a system for human pose estimation, 3D pose reconstruction and calculate joint angles at specific body keypoints, utilizing multiple camera views to enhance the accuracy, enable detailed motion analysis and improve pose tracking. Used YOLOv7 pose estimation model and Python for the development.

Software Engineer Intern - University of Colombo School of Computing   Jan 2024 - Jul 2024

- Designed and developed a web-based application for a garment factory using React JS, Python Flask, Tailwind CSS and MongoDB, enabling tracking of workers and automatic counting of clothes sewn to make the counting process more effective and efficient.
- Implemented human gesture detection and action recognition Python programs using MediaPipe and OpenCV. Focused on calculating angles at specific body key points and tracking routine actions, enhancing automation in video analysis.
- Collaborated with the team members to analyze and preprocess a large dataset.

Education

University of Colombo School of Computing
2021 - 2024
B.Sc. in Computer Science

ESOFT Metro Campus, Kurunegala
Diploma in Software Engineering (Sep 2020 - Apr 2021)
Diploma in IT (Jan 2020 - Aug 2020)

Maliyadeva Balika Vidyalaya, Kurunegala
2010 - 2019
G.C.E. A/L (2019) Physical Science Stream
G.C.E. O/L (2015)

Skills

Programming Languages	Java, Python, JavaScript, PHP, C/C++
Frontend Development	HTML, CSS, React JS, Tailwind CSS
Backend Development	Spring Boot, Flask
Databases	SQL(MySQL, PostgreSQL), NoSQL(MongoDB)
Version Control	Git, GitHub
IDEs and Tools	VS Code, IntelliJ IDEA, PyCharm, Postman
Concepts	OOP Concepts, REST APIs
Soft Skills	Problem Solving, Collaboration, Continuous Learning, Adaptability, Communication

Projects

Levone - E Commerce Application   (GitHub)

A responsive and user-friendly online platform for purchasing cloths. Have functionalities for browsing through collections and ordering cloths from available colors and sizes.

> **Technologies:** Java | Spring Boot | React JS | Tailwind CSS | PostgreSQL

Property Pulse - Property Management System   (GitHub)

The system is designed to help property owners to monitor and maintain the properties remotely. It provides facilities for property owners to schedule cleaning tasks, monitor the progress of the tasks, make payments for the completed tasks and request new cleaning tasks.

> **Technologies:** Java | Spring Boot | React JS | Tailwind CSS | PostgreSQL

Vogue Pawn - Gold Pawning Management System   (GitHub)

The project aims to enhance the efficiency of the gold pawning process in a gold pawning center. It provides facilities for both employees and customers to reduce the difficulties encountered with the traditional pawning process.

> **Technologies:** HTML | CSS | JavaScript | PHP | MySQL

References

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