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[Dilshan Senarath](#)

Education

2021 - 2024

**BSc(Hons) Computer Science
(Software Engineering)**

University of Wolverhampton(UK)

2011 - 2020

Secondary School

Rajapaksa Central Collage -
Weeraketiya

Skills

- Programming Languages:
Python, Java
- Machine Learning / Deep
learning Model Development:
ML Libraries/Frameworks:
TensorFlow, PyTorch, Scikit-
learn, Keras

Data Science Tools: Pandas,
NumPy, Matplotlib, Google
colab
- Web Development: HTML/CSS,
JavaScript, Flask, wordpress
- Databases: MySQL
- Problem-solving skills
- Excellent communication and
teamwork skills

Language

Sinhala

English

Dilshan Senarath

I am a driven and ambitious software engineering student with a strong passion for the Information Technology field, particularly in Machine Learning. Highly motivated and committed to excellence, I am actively seeking a training or associate ML engineer role to apply and enhance my technical skills in real-world projects. My goal is to build a career as a Machine Learning developer, contributing to innovative solutions through data-driven insights and cutting-edge technologies.

Projects

○ 2024

Web base Virtual Garment Tailoring and Fitting System

Developed "Virtual fitting room," a web-based virtual dressing room that recommends optimal shirt sizes using K-Nearest Neighbors and Random Forest Classifier models. Implemented a Flask backend for real-time fit predictions and integrated Three.js for interactive 3D visualization. The responsive frontend, built with HTML5, CSS3, and JavaScript, includes client-side input validation and dynamic user controls.

Technologies: Python, Flask, scikit-learn, Three.js, HTML5, CSS3, JavaScript, Pickle.

○ 2024

Tumor Classification Web Application

Developed a full-stack ML web app for tumor classification using a TensorFlow model, a Flask backend, and SQL for efficient data management. Integrated real-time image processing via a RESTful API, showcasing expertise in backend development, database integration, and deploying production-ready ML systems.

○ 2023

Smart Home Automation System - Group Project

This system notifies the user when the temperature in a certain room is below or above a certain value. ESP 32 is used as the microcontroller. Used Arduino programming language, MYSQL, PHP, and Chart js.

○ 2022

Arduino Bluetooth Control Car

An Arduino mega board was used as a microcontroller and 4 gear motors, HC-05 bluetooth module, and a 1298n H Bridge motor drive were used for this project. Arduino programming language was used for this.

Leadership and Extracurricular Activities

2023 - 2024

Worked as Student director of CINEC News latter Editorial panel.

2022 - 2023

Worked as assistant director of CINEC Students Media Circle.

2018 - 2019

Contributed as a super senior prefect at Rajapaksa Central College.

Reference

Poornika Sandamali

Librarian, CINEC Campus.

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Thushara Wedaarachchi

Teacher.

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