

Janeesha Wickramasinghe

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EDUCATION

University of Moratuwa

Bachelor of Science in Computer Science & Engineering

2022 – 2026

- **CGPA:** 3.52 / 4.00, Specializing in Data science & Engineering,

Visakha Vidyalaya, Colombo 05

G.C.E. Advanced Level Examination, Physical Science Stream

2018 – 2020

- **Z-Score:** 2.4283, Combined Mathematics (A), Physics (A), Chemistry (A)

PROJECTS

CardioCare - Automated Cardiac Disease Detector

Aug. 2024 – Present

- For my ongoing semester 5 project, our team is building a classification model for cardiac arrhythmias using ECG time series data.
- **Tech Stack:** TensorFlow, Scikit-Learn, Signal Processing, Streamlit
- **Contribution:** Implement the deep learning models combining a 1-D CNN with Bi-LSTM model and train them.

Human Resource Management System

July 2023 – Oct 2023

- As part of the Database module, our team was tasked with creating a full-stack web application to manage and store employee information and handle leave application status.
- **Tech Stack:** React | Node | Material UI | MySQL
- **Contribution:** Designed the UI and implemented the front-end of the application

HyperTalk

Feb 2024 – July 2024

- For Idealize 2024 - an all-island mobile app competition, our team developed a real time bi-directional sign language translation app for deaf and speech-impaired community.
- **Tech Stack:** Tensor Flow | Pytorch | Flutter | Node | Firebase
- **Contribution:** Built the app frontend and developed the login system

Flower Exchange Trader Application

Feb 2024

- Implemented a mini optimized trading system for a flower exchange in C++.
- **Contribution:** Utilized multithreading, efficient data structure usage and OOP concepts.

RPAL Compiler

Apr 2024

- As part of the Programming Languages Module, our team was tasked to design a compiler to handle RPAL syntax programs.
- **Tech Stack:** Python
- **Contribution:** Implement a lexical analyzer for the RPAL language

EXPERIENCE

Mora Lenz - Web team member

Feb 2023 - Aug 2023

- Contributed to the development and maintenance of the Mora Lenz, the Mass Media club's website at the University of Moratuwa.

SKILLS

Programming Languages: Python, Java, C++, HTML, CSS, JavaScript, Dart

Libraries: TensorFlow, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn

Frameworks: React, Node, Flutter

Database: MySQL, Firebase

Interests: NLP, Computer Vision, General Knowledge, Quizzing

EXTRACURRICULAR ACTIVITIES

Co-Chair - Enigma'24 | Mathematics Society Dec. 2023 – Mar. 2024

- **Co-chaired** Enigma'24, the first mathematical hackathon at the University of Moratuwa, featuring 8 webinars, an online preliminary round with 200+ teams, and an on-campus final round.

Volunteer - IoT Workshop Dec. 2023

- Volunteered for an IoT workshop designed for school teachers, offering hands-on training in microcontrollers, IoT fundamentals, and introductory artificial intelligence concepts.

Organizing Committee Member - Voice Donation Camp Apr. 2023

- Contributed to maintaining the e-library for Manusath Handa project, organized by the Rotaract Club of the University of Moratuwa.

AWARDS

Predicta 1.0 - Champion

- AI Prediction Challenge, a 3-day Kaggle competition organized by IEEE Student Branch of UoP, where I developed a hybrid model using **XGBoost** and **Sinusoidal Regressor**.

Evolution AI Ideathon - 2 nd Runner Up

- An Islandwide Ideathon organized by AIESEC University of Kelaniya

SLESA Future Founder - Finalist

- Our team representing University of Moratuwa emerged as **Finalists**, at Young Entrepreneurs Bootcamp hosted by Sri Lankan Engineers in South Australia (SLESA).

IDEALIZE - Semi Finalist On going

- A Mobile/Web App designing competition organized by AIESEC Colombo South

InspiHER{Tech} V2.0 - Finalist

- Completed all phases in MATLAB coding, data analysis, and a final hackathon

Codefest - Merit Awards

- A UI/UX mobile app design competition which featured a 24-hour designathon finals

Buddhi Prabodaya - 1 st Runner Up

- An all-Island Mathematics Quiz competition - School Category organized by Educational Dep.

CERTIFICATIONS

Machine Learning Foundations on AWS Academy by AWS

Machine Learning Specialization on Coursera by DeepLearning.AI (3 course specialization)

Deep Learning Specialization on Coursera by DeepLearning.AI On going

REFEREES

Dr. Uthayasanker Thayasivam

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