



NUWANI WIJESEKARA

COMPUTER ENGINEERING UNDERGRADUATE

PROFILE

Dedicated and Innovative third-year undergraduate specializing in Computer Engineering, eager to apply knowledge that has been gathered in real world projects and gain hands-on experience in web development, software and hardware engineering.

EDUCATION

Faculty of Engineering, University of Ruhuna B.Sc.Eng (Hons) Computer Engineering	2021 - PRESENT
Sri Sumangala Girls' School, Panadura G.C.E. (Advanced level) Examination (2019)-ABB Index Number: 7748850	2016 - 2019
K/ Sangamitta Girls' School, Aluthgama G.C.E. (Ordinary level) Examination (2015)-9A	2005 - 2016

TECHNICAL PROJECTS

Disaster Management System | Web Development | On going

Developing a web application and mobile application for users to report any disaster they encounter and then enabling the controllers (Disaster Management Center) to manage the reported situation efficiently by informing relevant authorities (Police, Hospitals, Fire Division..) after verifying the request.

Other Features: News, Alerts, Weather Forecast, Evacuation Routes, Shelter Locations, Live chat, chat bot, Family Emergency Plans, Volunteering Donations, Emergency Contacts.

Role: Frontend Developer & UI/UX Designer.

Technologies: MERN Stack, Tailwind CSS, Figma, Visual Studio Code IDE, Jira, Git, Firebase

Travel Helper | Mobile Application | Group Project

Features: Travel Planner (Enables the users to set destinations of their journeys on the map), Navigator (Navigates the users until reaching the destination), Finder (Shows nearby places like Hotels, restaurants, attractions...etc for a searched location, Memory (keeps a memory of travel plans with the map).

Technologies: Kotlin (Jetpack Compose), Android Studio IDE, Figma, Google API, Firebase

Fitness Tracker Discount Price Predictor | Machine Learning

Development of machine learning models to predict discount price of fitness trackers in the market.

TECHNOLOGIES: ML Algorithms (Linear Regression and Decision Tree Regression), Python, Colab, Jupiter NoteBook, Anaconda

CONTACT

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[WijesekaraDNM](https://github.com/WijesekaraDNM)

TECHNICAL SKILLS

Programming Languages

- Python
- C | C++ | C#
- JavaScript
- Java

Web Development

- React.js
- HTML
- CSS (Tailwind | Bootstrap)
- Node.js
- Express.js

Mobile App Development

- Kotlin
- FireBase

Data Bases Technologies

- MongoDB
- MySQL
- Neo4j

Hardware Description

Languages

- VHDL
- Verilog

Version Control

- Git
- GitHub

Cloud Technologies

- AWS

OTHER TECHNICAL SKILLS

- UI/UX Designing - Figma
- Networking - Cisco Packet Tracer
- Project Management - Jira
- OS - Windows | Linux
- IDE - Visual Studio | VS Code | Android Studio | Colab | IntelliJ | Eclipse | Pycharm | Matlab
- Circuit Designing - Proteus | ModelSim

SOFT SKILLS

- Project Management
- Team Working
- Leadership
- Effective Communication
- Critical Thinking
- Problem Solving

LANGUAGES

- English
- Sinhala

Design a 32bit RISC Processor | Hardware Designs | Group Project

Designing a 32 bit RISC Processor to perform as a calculator that capable of mathematical operations such as addition, subtraction, multiplication and logical operations (And, OR).

Technologies: Verilog HDL, ModelSim Simulator

Online Cake Shop | Web Development | Individual Project

Features: Basic CRUD operations, Sign up and login with validated email and password, view, search and select cake designs according to categories, custom cake designing, add cart and make orders, contact with shop.

Technologies: MERN Stack, Figma, Bootstrap CSS, Visual Studio Code

Patient Registration System | Desktop Application | Group Project

Features: CRUD operations for Patients' Registration and Payment Management

Technologies: C#, WPF(Windows Presentation Foundation), MVVM (Model View View Model) patterns, SQLite (Local Data Storage), XUnit(Unit Testing), Visual Studio

Student Data Base | Desktop Application | Individual Project

Features: CRUD operations for Students' Data Management

Technologies: C#, WPF, MVVM patterns, SQLite (Local Data Storage), Visual Studio

Online Library Application | Command-line based Desktop Application | Group Project

Features: CRUD operations to manage Library Materials and Users

Technologies: C++, Data structures(Singly linked list,Queue Arrays), Visual Studio

CERTIFICATES

Web Development - 2. Frontend Web Development | (In Progress)

Online Course | Department of Information Technology, Faculty of Information Technology, University of Moratuwa.

AWS Educate Introduction to Cloud 101

Online Course | Amazon Web Services (AWS)

Web Development - 1. Web Designs for Beginners

Online Course | Department of Information Technology, Faculty of Information Technology, University of Moratuwa.

REFERENCES

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I here by declare that the above mentioned information is true and correct to the best of my knowledge.