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Github/Chanuka-ChandraYapa

in/chanukachandrayapa

medium/chanukachandrayapa

Uduwara, 7th Mile Post,
Demodara, Sri Lanka

TECHNICAL SKILLS

Programming

Python | Java | C/C++ | Arduino |

JavaScript

Web/Mobile Development

HTML/CSS | React | React

Native | Express | Node | Flask |

Axios | Spring Boot | Flutter

Databases

MySQL | MongoDB | SQLite

Tools and Libraries

Figma | VS Code | IntelliJ

Version Control

Git | Github

LANGUAGE SKILLS

English - Working Proficiency

Sinhala - Native Proficiency

CHANUKA CHANDRAYAPA

COMPUTER SCIENCE & ENGINEERING UNDERGRADUATE

PROFILE

As an enthusiastic individual with the ability to meet deadlines with a high standard, I am always curious to explore the world searching for new knowledge. I am a fast learner and flexible to new ideas. Updating myself with fast-developing technology is my all-time favorite hobby.

EDUCATION

Undergraduate, B.Sc. Engineering (Hons) (Computer Science & Engineering)

University of Moratuwa | Sri Lanka

CGPA - 3.89

June 2021 - Present

Dean's list in 5 semesters

G.C.E Advanced Level Examination

Bandarawela Central College | Bandarawela, Sri Lanka

Physical Sciences stream

2016 - 2019

Z-Score - 2.3999

Combined Mathematics - A, Physics - A, Chemistry - A

WORK EXPERIENCE

WS02 LLC

Software Engineering Intern

Dec 2023 - May 2024

Completed a six-month internship with the APIM team of WS02

Implemented Throttle Policy Reset support feature for WS02 API Manager

PROJECTS

Advanced Computer Vision for Satellite Imagery Analysis in Precision Agriculture

Python | TensorFlow | QGIS | Google Earth Engine Ongoing

This is my Final Year Research Project which aims to develop a CNN - LSTM model that predicts paddy yield in Sri Lanka. This utilizes Satellite imagery with ground truth variables. The main objective is to help policy makers in precision agriculture to make prior decisions to enhance paddy production based on predicted results

Throttle Policy Reset Support for WS02 API Manager

Java | Siddhi | ReactJS | Git

2024

Implemented a new feature to manually reset the application level rate-limiting quota for a specific user from the developer portal. This allows application developers to give further access to their applications upon user request.

CERTIFICATES

- **Supervised Machine Learning**
Regression and Classification Coursera Certificate - DeepLearning.AI and Stanford University (2023)
- **Version Control Certificate**
Meta (2023)
- **Python for Beginners Certificate**
Centre for Open and Distance Learning (CODL), University of Moratuwa, Sri Lanka (2022)
- **Web Design for Beginners Certificate**
Centre for Open and Distance Learning (CODL), University of Moratuwa, Sri Lanka (2022)
- **Computer Vision Certificate**
Kaggle (2023)
- **Intro to Machine Learning Certificate**
Kaggle (2023)

VOLUNTEERING

Teaching Volunteering

- Soyuru Sathkara Program

OTHER SKILLS AND INTERESTS

- Team Working
- Problem-Solving
- Time Management
- Eastern Classical Music
- History and Religions

REFERENCES

Dr. Thanuja D. Ambegoda

Senior Lecturer

Department of Computer Science and Engineering

University of Moratuwa.

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Mental Health Application - Individual Project

React JS, Python, LLMs, Express JS, MongoDB

2024

Implemented a unified platform to provide accessible, personalized, and secure mental health support to users, specifically tailored to the Sri Lankan context. By leveraging a microservices architecture, the platform delivers features like mood tracking, educational resources, support forums, therapist access, and AI chat assistance.

Digital Analyzer for newspaper advertisements - Group Project

ReactJS | Flask | MongoDB | NLTK

2023

Developed a mobile-optimized web application to read newspaper adverts, extract and categorize features using NLP, and visualize using graphs that benefit researchers and marketers to identify trends in various sales. I mainly contributed to the frontend by integrating maps, charts, data models, and the backend with experimenting techniques to extract relevant data from different input formats.

SpaceXplore - Group Project

Figma | ReactJS | Axios | MySQL

2023

Developed a futuristic booking system for intergalactic space travel for a competition. I was responsible for the frontend UI design and implementation for a mobile responsive web application.

Air-Line Reservation System - Group Project

React JS | Express JS | MySQL

2023

Developed a ticket booking system for airlines. I mainly worked in the frontend and the database design and managed to simulate a simpler version of the real-world Air-Line reservation system

ACHIEVEMENTS

Earned placement on the Dean's List

Faculty of Engineering, University of Moratuwa, Sri Lanka

- Sem 1: 4.00 | Sem 3: 3.87 | Sem 4: 3.96 | Sem 5: 3.86 | Sem 7: 4.00

SLIIT CODEFEST AI Sprint

2025

Finalist - Team PentaPower

AI Hackathon organized by SLIIT and Sysco LABS to develop an E-commerce platform with machine customers. ([Github](#))

IEEEExtreme 18.0 - World Rank - 970

2024

μMora Mathematics competition

2020

Top 10 winner

Department of Electronic and Telecommunication Engineering, University of Moratuwa

Code Squad 3.0 Inter-University Programming Competition

Rank - 31 | Team - KodeBlitz

2022

Computer Engineering Society, Department of Computer Engineering, Faculty of Engineering, University of Sri Jayewardenapura, Sri Lanka

Tech - Triathlon 2023 by RootCode

2023

Participation | Team - KodeBlitz