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🐙 Github/Chanuka-ChandraYapa

in in/chanukachandrayapa

🏠 Uduwara, 7th Mile Post, Demodara, Sri Lanka

TECHNICAL SKILLS

Programming

Python | Java | C++ | Arduino | JavaScript | Latex

Web/Mobile Development

HTML/CSS | React | React Native | Express | Node | Node-Red | Flask | Axios

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

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 3 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

PROJECTS

Digital Analyzer for newspaper advertisements – Group Project 🔗

ReactJS | Flask | MongoDB | NLTK   2023 – Present

Currently working on a project where we have to develop a mobile-optimized web application to read newspaper adverts, extract specific features, categorize using NLP, and visualize using graphs which benefits researchers, marketers, and analysts by extracting and identifying trends in various sales. I am mainly responsible for the frontend development integrating maps, charts, and data models to assemble a user-friendly web interface.

Brain Tumor Detection with CNN – Group Project 🔗

Python | Keras | TensorFlow   2023

Created a machine learning model for MRI-based brain tumor detection using convolutional deep learning techniques for a competition using Keras and achieved a 95% accuracy. Able to explore data science and machine learning aspects.

Medi Box – Micro Controller Project – Individual Project 🔗

Arduino | EasyEDA | Node-Red | MQTT   2023

Created a Medi Box which serves patients to get medicine at relevant times and store them safely. MicroController used was **ESP32**. The main functionalities were setting alarms, storing medicine, monitoring Light Intensity, Humidity, and temperature, and controlling it over Wi-Fi.

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)

OTHER SKILLS AND INTERESTS

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

REFERENCES

Prof.(Ms) Meedeniya D.A.

Department of Computer Science and Engineering
University of Moratuwa.
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Prof. Perera G.I.U.S

Dept. of Computer Science & Engineering, Faculty of Engineering
University of Moratuwa, Moratuwa 10400, Sri Lanka.
indika@cse.mrt.ac.lk

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

Simple Expense Manager – Individual Project 🔗

SQLite | Java   **2022**

Implemented a missing functionality of an existing expense manager system for Android using Android Studio. My task was to make the storage of account information and transactions persistent, using an embedded database that had been currently stored in the temporary memory

Email-Client – Individual Project 🔗

Java   **2022**

Developed an email client that can send custom emails, and automated birthday wishes. It was able to save the history of sent emails by serialization. It was a great opportunity to apply Object-oriented principles and Design patterns in action.

ACHIEVEMENTS

Earned placement on the Dean's List

Faculty of Engineering, University of Moratuwa, Sri Lanka
- Semester 1 – GPA: **4.00**
- Semester 3 – GPA: **3.87**
- Semester 4 – GPA: **3.96**

µMora Mathematics competition
Top 10 winner   **2020**

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
Participation | Team - KodeBlitz   **2023**

Road to CodeMania'21 Python Fundamentals & Algorithmic Programming
Participation certificate   **2021**

IEEE Computer Society Student Branch Chapter of SLTC