

K.M.C.H.KALUPAHANA

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UI/UX | BACKEND (JAVA) | MERN | React | QA Engineer

I am a final-year Information Technology student at the University of Jaffna, with a focus on UI/UX design, Backend Development with Java, MERN stack, and React, as well as experience as a QA Engineer. I am skilled in programming languages such as Java, C, C++, C#, Python, SQL, HTML, CSS, PHP, and JavaScript, and proficient in frontend frameworks like React and Bootstrap, and backend frameworks like SpringBoot. My technical expertise extends to database management with MySQL, version control using Git, and working across Windows and Linux environments. I also bring strong UI/UX design skills using tools like AxureRP, Adobe XD, and Figma. With excellent problem-solving abilities, leadership, attention to detail, and a collaborative attitude, I am eager to apply my diverse skill set to real-world challenges while gaining industry experience.

SOFT SKILLS

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|----------------------|-------------------------------|-----------------------|
| • Problem-solving | • Friendly, positive attitude | • Attention to detail |
| • Leadership | • Team work and collaboration | • Time management |
| • Good communication | • Flexible and Adaptable | • Decision making |

PROFESSIONAL SKILLS

- **Programming Languages** – Java, C, C++, C#, Python, SQL, HTML, CSS, PHP, JavaScript, Prolog, MIPS
- **Operating Systems** – Windows, Linux
- **Frameworks** - Front-end (React, React-Native, Bootstrap), Backend (SpringBoot)
- **UI/UX** - AxureRP, Adobe XD, Figma, Canva
- **Database** – MySQL
- **Version Control System** - Git, GitHub
- **MS Office Applications** - MS Excel, MS Word, MS Access, MS PowerPoint
- **IDEs** – Eclipse, Sprint Tool Suite, Visual Studio, Selenium IDE, Code:Blocks, RStudio
- **Data Analysis Tools** – Jupyter Notebook, Pandas, NumPy
- **Python Libraries and Frameworks** - Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, SPACY, BERT, NLTK, PyTorch
- **Others** – Matlab, Putty, phpMyAdmin, Cisco Packet Tracer, QtSpim

EDUCATION

Vavuniya Campus of the University of Jaffna

BSc in Information Technology (R) - 01/08/2021-PRESENT (Final Year)

G/Sanghamitta collage Galle

Physical Science –Advance Level (Mathematics)

CERTIFICATES

Python for Data Science, AI & Development – IBM

Introduction to Web Development with HTML, CSS, JavaScript- IBM

Developing AI Applications with Python and Flask- IBM

Introduction to AI for Youth- Intel

YESIST'12 2023

Web Interface Development – NoviTech

Artificial Intelligence – NoviTech

EXTRA-CURRICULAR ACTIVITIES

Member of IEEE branch at the University of Vavuniya	2022
Member of AIESEC branch at the University of Vavuniya	2023
Participated in IEEE YESIST'12 competition	2023

LANGUAGE COMPETENCIES

- Sinhala: Native
- English: Proficient
- Tamil: Learning

PROJECTS

Blood Donation Management System Web App **2023**

Having safe and adequate blood is critical in healthcare, as it saves countless lives during medical emergencies, surgeries and treatments. Presently there is no organized and efficient blood donation system and this project proposal fulfill the need by establishing this system to enable new ones to join the system and donate blood whenever possible and to provide stable supply of safe blood to those who need blood

Programming Languages: MERN (MongoDB, Express, React, Node.js) stack

AI Music Genre Classification Mobile App

2023

This project uses the GTZAN dataset and a Convolutional Neural Network (CNN) to automatically classify music genres. Developed in Python, it generates personalized playlists using AI and user preferences, creating a more tailored music experience.

Programming Language: Java Script (React-Native), Python

UI/UX Prototype Project

2023

- Medical App
 - Online payment App
 - Travel Base App
- Using Axure RP

Portfolio Using HTML, CSS, Bootstrap

REFERENCES

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