

Yasiru Kanakkaheva

Undergraduate, Bsc(Hons) in Information Technology

LinkedIn

Github

Portfolio

Email: yasirukanakkaheva@gmail.com

Mobile: +9471-6720395

Address: 47/A, Samaraweera Place, Weligama,
Sri Lanka.
81700.

ABOUT ME

A passionate technical enthusiast with friendly leadership qualities, a responsible team player who is willing to go beyond the frame and loves to research and experiment.

EDUCATION

- **University of Moratuwa** Moratuwa, Sri Lanka
BSc. (Hons), Information Technology 2021–Present
- **Rahula College** Matara, Sri Lanka
G.C.E. A/L, ABB, Chemistry A, Physics B, Combined Maths B 2017–2019
- **Rahula College** Matara, Sri Lanka
G.C.E. O/L, 9As, English Literature A, ICT A, Tamil A 2011 – 2016

EXPERIENCE

- **SLT Digital Labs** Colombo, Sri Lanka
Software Engineering Intern Feb 2024 – Aug 2024 (6 months)
 - **BCMS App (Business Continuity Management System)**
Developed a MERN app for Business Continuity Management replacing manual updates in traditional methods such as MS Excel, Word etc. Contributed in the BIA section built for Operating Sites, Critical Functions, Dependencies, Resources, Peaks/Deadlines, and Version history implemented filtered version lookups per section:
* **Tech Stack:** *React, Express, Node.js, MongoDB, Tailwind CSS*
 - **Aqua Culture App**
Contributed to the development of a comprehensive mobile application designed for fish tank enthusiasts, focusing on monitoring vital parameters such as water temperature, pH levels, and fish food availability. My primary objective was to figure out the issues with real-time notifications and updates which was critical:
* **Tech Stack:** *React Native, Firebase*
 - **AR Vesak App**
Contributed to the development of couple of user interfaces of an AR Vesak App aimed to create an innovative augmented reality experience for users:
* **Tech Stack:** *React Native, Firebase, Unity*

PROJECTS

- **Enhancing Personalized Voice-Driven Chatbot Systems For GPT Integration:** (Final Year Research: **Grade: A-**)
Developed an AI-powered personalized voice assistant integrating Speech Emotion Recognition (SER), Text Emotion Recognition (TER), and Noise reduction to to operate in real-world noisy environments. Contributed to the development of an intensity-aware SER module, extending standard SER pipelines to classify both emotions and their intensity levels.
[Tech Stack :- Python, TensorFlow, PyTorch, Scikit-learn, LightGBM, XGBoost, Librosa, Pandas, NumPy, Keras, OpenAI Whisper, Librosa, Scikit-learn, Pandas, NumPy, Matplotlib]
- **TRACKO - Employee Performance Monitoring System:** (Second Year Software Project: **Grade: A-**)
A system that monitors the working performance of all employees and addresses the gap of QA, Dev performance monitoring more efficiently. This is the 2nd year industry based project which was mentored by Creative Software.
[Tech Stack :- React, Spring Boot, MySQL]

- **FUELMETER - Smart Vehicle Fuel Management App:**

Developed a cross-platform Flutter application integrated with Flask backend, ML models, and Firebase to monitor multi-vehicle fuel consumption, forecast fuel economy and range, and predict optimal refill times. Enabled users to log data, manage multiple vehicles, and receive real-time predictive insights through an intuitive UI.

[Tech Stack :- Flutter, Dart, Flask, Python, Machine Learning, Firebase]

- **CAN CRUSHER - Automated Can Crushing Machine:** (First Year Hardware Project: **Grade: A-**)

An automated Can Crushing Machine consisting an user reward system with the aim of reducing environment pollution by disposing Cans(juice, beer, ..) in an environmentally friendly method.

[Tech Stack :- Atmel Studio, Proteus(for simulations),Blender]

- **WorkForge - Multi-tenant Project/Invoice SaaS :** (Ongoing)

Designed and developed a microservice multi-tenant project management platform with secure REST APIs, CRUD operations, advanced filtering, and database migrations. Integrated OpenAPI documentation and planned support for caching, messaging, and monitoring to ensure scalability and reliability.

[Tech Stack :- Java, Spring Boot, Spring Data JPA, PostgreSQL, Flyway, Springdoc OpenAPI, Maven, Docker, Redis, Kafka, Prometheus, Grafana)]

SKILLS

- **Programming Languages**

Java, JavaScript, Python, C

- **Frameworks**

React, React Native, SpringBoot, FastAPI, Flask, Flutter, Tailwind CSS

- **Database Management**

MySQL, MongoDB, Firebase

- **Tools & Version Controlling**

Git, Docker

- **Software Development Methodologies**

Agile (Scrum)

- **Technical Fields**

Full Stack Development, Machine Learning, Natural Language Processing

HIGHLIGHTS

- **Mora Esports Community : Director Mobile Esports** (2023-2024), **Assistant Pillar Head** - Mobile Division (2022-2023), **Chief Organizer** - NFB Season 2 (2023), **Commentator, Interviewer** - NFB Season 2 (2023), **Chief Organizer** - MEC OpenDay 2023, **Chairperson** - Youngblood 2022, **Online Streamer(FB/YT)** - Youngblood Season 3

- **AIESEC University of Moratuwa : B2B Team Leader** - Incoming Global Talent (2022-2023), Organizing Committee member - March LCM (2022)

REFEREES

K A Dilini T Kulawansa

Senior Lecturer,
Department of Computational Mathematics,
Faculty of Information Technology,
University of Moratuwa,
Katubedda, Moratuwa,
Sri Lanka.
Email: dilinik@uom.lk , kulawansadilini@gmail.com
Phone: +94 77 731 6627, +94 71 443 4529

Chathura Mahasen Bandara

Software Developer- Fullstack and Data science,
SLT Digital Labs.
Phone: +94 75 410 4592