



THIHANSA SARATHCHANDRA



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PROFILE

Highly skilled IT graduate with proven experience in software engineering roles. Demonstrates exceptional adaptability in rapidly evolving technical environments while maintaining a steadfast commitment to delivering user-centric solutions. Combines strong technical capabilities with outstanding communication and collaboration skills to drive project success. Consistently applies analytical problem-solving approaches and effective time management to meet critical deadlines. Seeks challenging opportunities to leverage expertise in innovative projects with meaningful business impact.

EDUCATION

BSc (Hons) in Information Technology

General Sir John Kotelawala Defence University

2021 - 2024

FGPA - 3.63

Class - Second Upper

Musaeus College - Colombo

A/L's 3C's - Bio Stream

2020

Musaeus College - Colombo

O/L's 9A's

2017

EXPERTISE

- Programming Languages
 - Python, Java, Node.
- Frontend Development
 - JavaScript, React, Angular
- Machine Learning
- Project Management - Scrum, Agile, Project plans
- Web development Languages
 - MERN, HTML, CSS, PHP
- Database
 - MySQL, AWS, PostgreSQL

SOFT SKILLS

- Communication Skills
- Leadership Skills
- Multi-tasking
- Organizing Skills
- Problem solving
- Time Management



WORK EXPERIENCE

2024 -
present

99X Technology

- Software Engineering Intern at 99X - 1 Year
- Contributed to Team on Cloud project using Next.js, PostgreSQL, and Prisma for scalable web development.
- Worked on DevGrade, a full-stack solution focusing on Angular, Node.js, and AWS services for performance and scalability.
- Actively participated in DevQuest 2024/25, a national-level hackathon organized by SLIIT, collaborating on innovative solutions under pressure.



PROJECT EXPERIENCES

2024

Final Year Project : Improving Mental Health Support with AI: A Mobile Personal Assistant (Chatbot) for depression patients using Emotion recognition using Large Language Models.

- Achieved an A grade for developing an innovative mobile chatbot using LLMs and emotion recognition to support individuals with depression.
- Designed with the vision of creating a socially impactful solution to support mental well-being and benefit humanity. Bridged gaps between therapy sessions by offering continuous emotional support and improving therapist-patient engagement. Included admin tools to track user emotion trends and generate insightful mental health reports.
- Conducted extensive research on LLMs, sentiment/emotion detection models, and mental health conversational frameworks.

2022

Online Food Ordering System

- Language - C#, PHP
- Database - MySQL

2022

Mobile Application Development - "Medical App" (Group Project)

- Language - Java
- Database - Firebase

2022

Video Animation Project (Group Project)

- Short Animated Movie Using Adobe Premier Pro, Illustrator

2022

Second Year Project : Craft store web application for a specific client (Group Project)

- Project Role - Software engineer (Lead)
- Language - Java, HTML, JavaScript
- Database - Firebase

ACHIEVEMENTS

Champions – Research competition organized by AUA Indonesia. | 2023

- Achieved 1st place in the AI & Data Science theme at the Asian University Alliance : Asia Innovative Leader Camp 2023

EXTRA CURRICULAR ACTIVITIES

Professional Chess Player | 2006 – Present

- Fide ID – 9912584
- Champion – Women's Under 20 Individual Inter School All Island Chess Championship(2019).
- Obtained both School and University Colors.
- Obtained Western Province Colors.

Chess Captain | 2019, 2023 – 2025

- Musaeus College – School Chess Captain (2019).
- Under 10, 12, 14, 16, 20 Chess Team Captain.
- Kotelawela Defense University – Women's Chess Captain

Compere | 2020 – Present

- Compered in both school and University level at the events, IRC of KDU, the Rotaract Installation of KDU, the 3rd and 4th Student Symposiums of KDU, 99X events and etc..

Open mic speech contests | 2024

- Participated in Open mic speech contests.

Debating | 2019 – 2023

- Participated in Debating events at school level and University level.

Other Activities | 2017 – 2023

- Participated in Cricket, Football, Singing, Drama, and Dancing events at both school and University levels.
- School Junior Prefect and Primary Prefect.
- The secretary of the Environment Society, Vice President of the Junior Science Society, and Member of the Media Unit at the School Level.

CERTIFICATIONS

- MERN stack development – University of Colombo. – 2024
- Certificate in BEng Software Engineering at University of Westminster – Completed the First year of the Degree – 2021
- IT Essentials course as part of the Cisco Networking – 2022
- Linux and DevOps training program organized by WSO2. – In progress
- CCNAv7: Introduction to Networks course – Cisco Networking Academy – 2022
- Python for Beginners – UoM of Sri Lanka – 2022
- Foundations of Project Management – UoM of Sri Lanka – 2023

VOLUNTEERING

Volunteered in training programs | 2025

- Volunteered in training school students in IT related subject areas.

National IT Conference of Sri Lanka | 2023–2024

- Volunteered at the National IT Conference and The Digital Investment Summit as a CSSL Volunteer in collaboration with ICTA(Information Communication Technology Agency).

Assistant Secretary | 2024

- Assistant Secretary Events in the Computer Society of Sri Lanka, GenZ Chapter of KDU.

Secretary Team Member | 2022– 2024

- WIE Secretary Team member.
- Organizing Committee member as Secretary for the events – Future Forge, GitHub Workshop

RESEARCH EXPERIENCES

4th Symposium at General Sir John Kotelawela Defence University | 2024

- Presented a paper on "A Comprehensive Review of Mobile Personal Assistant (Chatbot) for depression patients using Emotion recognition using Large Language Model"

17th IRC at General Sir John Kotelawela Defence University | 2024

- Presented a paper on "A Comprehensive Review of Robotic Escort Services: Enhancing Safety and Security for Women in Public Spaces."

16th IRC at General Sir John Kotelawela Defence University | 2023

- Presented a paper on "A Mobile Application Featuring Advances in Immersive Augmented Reality Interventions to Support Depression Patients."
- Presented a Paper on "Enhancing University Education in Sri Lanka through Gamification: A Review on Student Engagement and Learning Perspective."

Research competition organized by AUA Indonesia | 2023

- AI & Data Science theme at the Asian University Alliance : Robotic Escort Services: To enhance Women's Safety

REFERENCES

Sachindra Samararatne

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