SANDALI FERNANDO

Computer Science & Engineering
Undergraduate

Profile

I am a young, dynamic, and highly adaptable third year undergraduate student, seeking a challenging opportunity to utilize the best and enhance my skills. I possess excellent communication skills and I am comfortable working in a team-oriented environment. I am a quick learner and committed to achieving success in all my endeavors.

Contact

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- 🔗 https://www.linkedin.com/in/sandali-malshika-fernando/
- 🔗 https://github.com/SandaliF
- 🌐 Sandali Fernando

Technical Skills

- Programming Languages: Python, C++, Java , JavaScript
- Web Developoment: ReactJS, NextJS, HTML, CSS
- Software/ Tools: VSCode, MSOffice
- Databases: MySQL, PostgreSQL(Beginner)

Education

University of Moratuwa, Sri Lanka (2022 - Present)

BSc Engineering (Hons) | Computer Science & Engineering (Undergraduate)

De Mazenod College - Kandana (2017-2020)

G.C.E. A/L Examination 2020 - Physical Science Stream
Combined Mathematics: A | Physics: A | Chemistry: A | General English: A

St. Joseph's College - Colombo 10, Negombo Branch (2006 - 2016)
G.C.E. O/L Examination 2016 - 9A's
Including Mathematics: A | English: A | IT: A

Completed Certificate Course in Microsoft Office (2020)
At the University of Kelaniya With a grade of A+

Projects

**Hotel and Restaurant Management System
(2024 Jul - Present)**
This is the third year Software Engineering Project to manage the functions of a hotel and restaurant management system with a customized Web System for Room Reservations, Table Reservations with Meal Planning and Online Ordering with Integrated Payments.
Tech Stack: NextJS, PostgreSQL

Human Resource Management System (2023 Jul - Oct)
This is the second year DBMS project designed as a software solution to specifically satisfy the needs of a HR Department of a multinational company.
Tech Stack: ReactJS, MySQL, NodeJS

RPAL Interpreter (2024 Jan - May)
An interpreter for the functional programming language. RPAL consists of a lexical analyzer, parser and a CSE machine. The interpreter can execute a given RPAL program by constructing the abstract syntax tree, standardizing the AST and evaluating the program to get the output.
Tech Stack: Java

General Skills

- Leadership Skills
- Teamwork
- Multitasking
- Communication Skills
- Ability to learn fast
- Self Confidence
- Time Management

Languages

- English
- Sinhala

References

Dr. Adeesha Wijayasiri

Senior Lecturer

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Dr. Kutila Gunasekera

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Quiz App

A personal mini project created for allowing users to take interactive quizzes. The app features multiple-choice questions, scoring functionality, and a user-friendly interface, enhancing the learning experience through engaging content.
Tech Stack: JavaScript

Nano Processor Project (2023 Mar - Jun)

This is the Semester 2 Computer organization and digital design project to design a 4-bit nano processor for doing addition, subtraction, and negation.
Tech Stack: VHDL

EXTRA-CURRICULAR ACTIVITIES

University of Moratuwa

- Member of IEEE Student Brach (24V0102)
- Member of Association for Computer Machinery Student Chapter
- Announcer at Mora Lenz - Mass Media Club
- Panelist at Events Panel of Mora Lenz - Mass Media Club
- Member of Rotaract Club

St. Joseph's College-Colombo 10, Negombo Branch

- Head Prefect (2010 and 2013) and a member of the Board of Prefects (2010,2013-2015)
- President (2013-2016) - Media Unit
- Secretary (2015/16) - Sinhala Literary Association
- Treasurer (2015/16) - English Literary Association
- Member of Dancing Team
- Announcer
- Chess:
    Represented the school chess team to become champions at the All Island Inter-school Team Chess Championship and personally secured 1st place on Board 2

VOLUNTEERING

- **Career Fair 2024** organized by CSE Department
    - Organizing Committee Member (Logistics)
- **SLIoT Challenge 2023** organized by CSE Department
    - Organizing Committee Member (Delegates Handling)
- **Intreccio 2024** organized by CSE Department
    - Organizing Committee Member (Entertainment)
- **Media Awards 2024** organized by Mora Lenz
    - Logistics Committee Lead
- **'Sandhwani' 2024** organized by Mora Lenz
    - Organizing Committee Member (Delegates Handling)
- **'Suwapetha' 2023** organized by Rotaract Club, UoM
    - Organizing Committee Member (Event Handling)
- **'Binara Padura' 2023** organized by Rotaract Club, UoM
    - Organizing Committee Member (Decoration)
- **Monster Mash 2023** organized by Rotaract Club, UoM
    - Organizing Committee Member (Event Handling)