



# 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

- ☎ +94 76 562 3756
- ✉ [sandalif.21@cse.mrt.ac.lk](mailto:sandalif.21@cse.mrt.ac.lk)
- 📍 504/D2, Kospalana,  
Polpitimukalana, Kandana.
- 🌐 <https://www.linkedin.com/in/sandali-malshika-fernando/>
- 🐙 <https://github.com/SandaliF>

## Technical Skills

- Programming Languages: Python, C++, Java, JavaScript
- Web Development: 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*

### 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*

## General Skills

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

## Languages

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- English
- Sinhala

## References

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### Dr. Adeesha Wijayasiri

Senior Lecturer

Department of Computer Science  
and Engineering

University of Moratuwa

+94 112 650 152

adeeshaw@cse.mrt.ac.lk

### Dr. Kutila Gunasekera

Senior Lecturer

Department of Computer Science  
and Engineering

University of Moratuwa

+94 77 142 3877

kutila@cse.mrt.ac.lk

## EXTRA-CURRICULAR ACTIVITIES

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### University of Moratuwa

- Member of IEEE Student Branch (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

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- **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)