

KITHUNI DEVMA

Undergraduate Student

Department of Computer Science and Engineering

University of Moratuwa

Motivated and ambitious third-year undergraduate student pursuing a degree in Computer Science and Engineering. Seeking opportunities to gain practical experience and contribute to innovative projects. Committed to learning and developing skills in data science, artificial intelligence, and machine learning to make a positive impact in the technology industry



Contact



+94 766154620



kithuniwickramasinghe@gmail.com



443/A, Himbuttana,
Raddolugama, Sri Lanka.



[https://kituni.devma.github.io/
Website Resume/](https://kituni.devma.github.io/WebsiteResume/)



<https://github.com/KituniDevma>



[https://www.linkedin.com/in/kithu
ni-wickramasinghe-65b8721ba](https://www.linkedin.com/in/kithuni-wickramasinghe-65b8721ba)

Education

- **University of Moratuwa**
Department of Computer
Science and Engineering
2022-Current
- **De Mazenod College,
Kandana**
2018-2020
- **Ave Maria Convent,
Negombo**
2007-2018

Technical Skills

- Programming Languages:
Python, Java, C++, RPA, VHDL
- Machine Learning: Skikit-Learn,
Numpy, Pandas, TensorFlow.
- DataBase: MySQL, MongoDB
- Web Development: HTML, CSS,
ReactJS
- Tools: Git, VSCode
- Operating Systems: Windows,
Linux

Academic Achievements

- BSc Eng Hons ,University of Moratuwa,Sri Lanka.
Specializing in Data Science and Engineering.
Current GPA- 3.73
- GCE Advanced Level Examination- Physical Science
Stream (2020)
Combined Mathematics - A District Rank - 28
Chemistry - A Island Rank - 427
Physics - A
- GCE Ordinary Level Examination (2017)
9A's

Projects

- **Solar Energy Forecasting Web Application
(Ongoing):**
Develop a dashboard to show solar energy generation
forecasts using PatchTST, DLinear, Informer, Reformer and
Autoformer models for time series forecasts analysis.
Technologies used: ReactJS, MongoDB, Django, Python, Power
BI
- **HR Management System (HRMastry):**
This is the third semester DBMS project, designed by our team
to manage HR in a company, including managers, employees
and one administrator. In this project I mainly overlooked the
front end and the Data base.
Technologies used: ReactJS, MySQL, NodeJS
- **Quick Care Mobile App:**
Developed a mobile app for first aid assistance which
provides users with essential first aid assistance for real-time
guidance, and emergency help options. In this project I mainly
overlooked at the front end.
Technologies used: ReactJS, NodeJS

Skills

- Leadership
- Presentation Skills
- Public Speaking
- Team Work
- Quick Learner
- Communication Skills
- Good Interpersonal Skills

Languages

- Sinhala
- English

Reference

Dr. Thanuja D. Ambegoda

Senior Lecturer
Department of Computer Science
and Engineering, UoM
Email: thanujaa@uom.lk
Mobile: +94 70 265 52 73

Prof. Dulani Meedeniya

Professor
Department of Computer Science
and Engineering, UoM
Email: dulanim@uom.lk

● RPAL Interpreter:

Developed an Interpreter for the functional programming language RPAL consists of Lexical Analyzer, Parser and a CSE Machine. The Interpreter can execute a given RPAL program by constructing the abstract syntax tree, standardize the AST and evaluating the program to get the output. In this project I mainly overlooked the Scanner,

Technologies used: Java

● LAKUNA Project (Ongoing):

Collaborated with the Electrical Engineering Department in the smart microgrid lab, under the guidance of Dr. Sunimal Rathnayaka. The project involved integrating data from smart plugs installed on various devices, such as air conditioning units across the university, and the smart grid. My role focused on deploying these smart plugs in the server environment and converting the raw data into actionable data.

● Resume Portfolio Website:

Technologies used: CSS, HTML

● Nano Micro Processor:

This is the second semester project, where we developed a 4-bit nano micro processor using a FPGA.

Technologies used: VHDL

Courses and Certifications

- **Machine Learning Specialization** offered by DeepLearning.AI, Stanford University, On Coursera
Supervised Machine Learning: Regression and Classification
Advanced Learning Algorithms
- **AWS Academy Graduate** - AWS Academy Machine Learning Foundations
- **Introduction to Machine Learning.** - Kaggle
- **Intermediate Machine Learning.** - Kaggle

Competitions

- **Brainstorm'24** - Became a finalist in the Competition(Top 10)
- **Idealize'24** - Became a finalist in the Competition
- **Robots for Sri Lankans Robotic Challenge(SLRC)** - Became a finalist in the Competition(top 5)
- **Home Credit- Credit Risk Model Stability- Kaggle Competition** -280th of the Competition

University Involvement

- Secretary of the Intelligent Transportation Systems Society of IEEE SB University of Moratuwa.
- AIESEC Member: Worked as an IR panelist in Colombo South.
- Member of CSM(Catholic Students' Movement)
- Member of the dancing society.
- Bot Talk Webinar Series- Member of the organizing committee and moderator of the sessions(A project of IEEE)
- Member of Academic Excellence Committee in Mora Extreme 8.0
- Member of Delegate Handling Committee in SLIoT Challenge 2024

Others

- Accomplished Dancer showcasing creativity and discipline.(
<https://youtube.com/@kithuniwickramasinghe4287>, Member of the dancing troop at Ave Maria Convent)
- Have done Trinity College London Speech and Drama Examinations
- Skilled Public speaker from speech competitions
- Have done music examinations(Institute of Western Music and Speech)
- Prefect at Ave Maria Convent, Negombo.