

Rusiru Anupama

Engineering Undergraduate @ UOM

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Summary

I'm Rusiru Anupama, an engineering undergraduate at the University of Moratuwa, showcasing my academic journey and passion for Computer Science. You'll find my best works, from Innovations to Software Projects, along with my academic background, experiences, and proficiencies in ML and AI. I'm excited to pursue research opportunities and continue growing professionally.

Profiles

[in rus1ru](#)

[github rus1ru](#)

[twitter rus1ru](#)

Experience

Mettabyte

Backend Developer

<https://mettabyte.com/>

- Developed the backend for the JobProMax application using Python and FastAPI web framework.
- Continuously optimized and improved the backend systems to enhance performance and functionality.

May 2023 - Present

Colombo, Sri Lanka

Imigap

Backend Developer - Intern

<https://imigap.com/>

- Developed the backend for [Swype.lk](#), a dynamic digital marketing platform that engages users through QR codes in public spaces.
- Demonstrated problem-solving skills and adaptability in a fast-paced, collaborative internship environment.

March 2023 - June 2023

Galle, Sri Lanka

Education

University of Moratuwa

Engineering

<https://uom.lk/>

March 2024 - Present

Bachelor of Science - Engineering(Hons)

Mahinda College, Galle

Physical Science Stream

3A in Physics, Combined Mathematics, Chemistry

<https://mahindacollege.lk/>

Feb 2021 - Feb 2023

G.C.E. A/L Examination

Skills

Python

C++

FastAPI

OpenCV

Langchain

MongoDB

MySQL

Bun

Typescript

Git

Github Actions

Go

Flutter

Raspberry Pi

ESP32

Awards

Korea International Youth Olympiad 4I 2017

Silver Medal

Korea International Youth Olympiad 4I 2017

WWIEA Award

Codefest

Merit Award

2018

Sahasak Nimavum - All Island

Merit Award

2017

Projects	JobProMax - Backend	November 2023 - Present
	Web app, Data Science, LLM	
	🔗 https://app.jobpromax.com/	
	<ul style="list-style-type: none"> • Designed and developed the backend architecture for the JobProMax application using Python and the FastAPI web framework. • Integrated LangChain for the interaction with large language models (LLMs) for advanced data analysis capabilities. • Implemented Spacy for Natural Language Processing activities such as tokenization. • Implemented similarity search functionality using techniques like TF-IDF and lexical analysis. 	
	Python, FastAPI, Langchain, LLM, Numpy, MongoDB	
	JobMatch - Chrome Extension	May 2023 - October 2023
	Extension, Web Browser	
	🔗 https://bit.ly/3VTGvNo	
	<ul style="list-style-type: none"> • Developed a Chrome extension called JobMatch that analyzes a user's resume and job descriptions to provide a similarity search and match score. • Utilized React, the Plasmio framework, and Tailwind CSS to build the extension's user interface and functionality. 	
	React, Typescript, TailwindCSS, pnpm	
	SwypeQR - Backend	March 2023 - June 2023
	Web app	
	🔗 https://imigap.com/portfolio/	
	<ul style="list-style-type: none"> • Developed the backend systems for the Swype.lk digital marketing platform using the Symphony framework and PHP • Designed and implemented the database architecture using MySQL to store and manage platform data, including user interactions and advertiser promotions • Gained valuable experience in web development, database management, and digital marketing technologies 	
	PHP, MySQL	
	Elderly Assistance System	
	New Invention, Electronics	
	<ul style="list-style-type: none"> • Provided overall leadership and guidance to the Innova Minds - Team 2 in developing the "Easy Controller for Daily Life" assistive technology • Contributed to the technical development, including the integration of sensors, microcontrollers, and wireless connectivity • Oversaw the project's successful participation and recognition at the WWIEA Award, where the team won a Silver Medal at the Korea International Youth Olympiad 4I 2017 	
	New Invention, Electronics, ESP32, Arduino	

Languages	Sinhala	English
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Interests	Reading Books	Watching Anime	Listening to Podcasts
	thriller, mystery	SciFi, Thriller, Action	Scientific, Technology, Economy