

MARK RODRIGO

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SUMMARY

Computer Science undergraduate focused on software development and algorithmic problem-solving. Possesses 5+ years of hands-on Python experience, experience with React and machine learning, and ranks in the top 10% globally on LeetCode for competitive programming.

EDUCATION

University of Westminster **Sep 2024 - Present**
BSc Computer Science — Undergraduate

Key Modules: Object-Oriented Programming (Java), Python Programming, Data Structures & Algorithms, Machine Learning, Web Application Development, Client–Server Computing

Informatics Institute of Technology **Sep 2023- Present**
Foundation Certificate in Higher Education (Distinction)

St. Peter's College, Negombo **Jan 2012 - Jun 2023**
GCE Ordinary Level Examination (9As)
Subjects: All the core subjects and ICT, Business & Accounting Studies and Art

SKILLS

Languages: Python, Java, JavaScript, Rust

Frameworks: React

Tools & Platforms: Git, Vs Code, Figma, Elasticsearch (familiar), firebase, flask

Concepts: Machine Learning, Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Database Systems

PROJECTS

Notewave | React, Node.js, Firebase

- Built a full-stack application combining messaging and video call features to replace fragmented solutions like WhatsApp + Zoom in online education
- Led a 5 member team and managed to get included in the **semi-finals of Codesprintx Sri Lanka.**

Melodic | Python, custom-tkinter, Pytube, pyGame

- Developed a Python-based desktop app to download YouTube videos, convert to MP3, and play them offline for educational purposes
- Achieved smooth conversion and playback for videos

Owl | Python

- Designed and built a custom compiler for a new programming language named Owl.
- Implemented language features including recursion and control structures.

HabitPilot | React, Flask, SQLite

- Built a full-stack habit and task management application with React frontend and Flask backend.
 - Implemented user flows for task creation and streak tracking
 - Designed REST APIs and integrated them with a lightweight SQLite data layer.
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ACHIEVEMENTS

- Semi-finalist in Codesprintx Sri Lanka for the Notewave project (led a 5-member team)
 - Ranked in the top 15% globally on LeetCode for competitive programming
 - Completed Deep Learning and Machine Learning specializations by Andrew Ng
 - Obtained Hackerrank's problem solving certifications (Beginner, Intermediate)
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VOLUNTEERING / EXTRACURRICULAR

Environmental Prefect – St. Peter’s College, Negombo | 4 years

- Led and organized school-wide environmental initiatives, promoting sustainability and awareness among students.
 - Awards: Earned 3 badges from the Central Environmental Authority of Sri Lanka for completing the required activities for each badge.
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INTERESTS

Chess (1900 rapid in chess.com), **Competitive Programming** (LC 1700), **Painting**

REFEREES

Amod Sahabandu

Consultant AI & ML Engineer,
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