MARK RODRIGO

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SUMMARY

Computer Science undergraduate seeking a software development internship to .
5+ years of hands-on Python experience, skilled in React and machine learning, and ranked in the top 10% globally on LeetCode for competitive programming.

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.

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

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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 Hackeerank's problem solving certifications (Beginner, Intermediate)

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.

INTERESTS

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

REFEREES

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