Nimesh Mendis

Software Engineer

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- 📍 Kandy, Sri Lanka
- in https://www.linkedin.com/in/nimesh-mendis-50a90a203/
- ○ https://github.com/NimeshMendis
- ↖ https://nimeshmendis.github.io/Portfolio/

PROFILE

Final year engineering student graduating soon. Interested in a Software Engineering, Fullstack Development or Data Science position.

EDUCATION

BSc. (Hons) in Engineering in Electronics and Telecommunication
Sri Lanka Technological Campus
2020 – 2024
CGPA: 3.50 / 4.00

GCE Advanced Level (Physical Science stream)
Dharmaraja College, Kandy
2019

LANGUAGES

English   ● ● ● ● ●
Sinhala   ● ● ● ● ●

REFERENCES

Dr. S. P. Abeysundara, *Head of the Department,*
Department of Statistics and Computer Science,
University of Peradeniya
sachitha@sci.pdn.ac.lk, 0774924770

Eng. Kasun Herath,
Lecturer, School of Computing and IT,
SLTC Research University, Padukka
kasunkh@sltc.ac.lk, 0717614153

Mr. Navindu Madanayaka,
Research Executive - Software and Data Science,
Sri Lanka Telecom
navindu@slt.com.lk, 0704724708

🧠 TECHNICAL SKILLS

- python
- Node.js, Express.js, php, FastAPI, Flask
- HTML, CSS, Javascript
- MySQL, PostgreSQL, MongoDB, FirebaseRTDB
- AWS
- Git, GitHub, Docker
- Pandas, Tensorflow, Keras, Spark, OpenCV, Conda
- C++, Java, Matlab, Simulink

💼 WORK EXPERIENCE

SLT Digital Lab (R&D) - Sri Lanka Telecom PLC
Intern Software Engineer (6 Months)
09/2023 – 03/2024

Responsibilities: Backend development, Machine learning
Technology: python, FastAPI, AWS S3, AWS Sagemaker, Spark, SQL
Project: Racoon AI REST API
- Trained custom machine learning models. (Review Sentiment Detection, Product recommendation, Stock Forecast etc.)
- Integrated the trained models and services into the Racoon AI REST API.
- Moved the training process into cloud using AWS services.

🖥 DEVELOPED PROJECTS

Source codes: https://github.com/NimeshMendis ⬈

Portfolio website: https://nimeshmendis.github.io/Portfolio/ ⬈

Sinhala Braille Detection and Translation for Inclusive Education
Used Stack: python, OpenCV, Tensorflow, Keras
System to scan Sinhala braille documents, identify braille cells and translate it to plain text. Also developed a refreshable braille display using a novel slider mechanism.

Automated Greenhouse Controller with Data Collection Using IoT
Used Stack: python, Firebase Real Time Database
Monitor, control manually or automate the conditions within a greenhouse remotely. Collect data for analytics.

Project Tracker REST API
Used Stack: Express.js, MongoDB
A CRUD API that allows users to signup and then create, update and track the progress of projects.

Equipment Renting Management System
Used Stack: php, MySQL., HTML, CSS
A web application for equipment renting management. Manage equipment inventory and track renting and overdue payments.

IoT Based Beverage Can Monitoring using MQTT Protocol
Used Stack: micropython, Eclipse Mosquitto
System to monitor number of beverage cans in stock and their temperature using the MQTT protocol.

Design and Development of Bio Inspired Prosthetic Arm.
Used Stack: Matlab, Simulink, Onshape
3 DOF bionic arm capable of 3d movement, modeled using onshape, Simulink and controlled through a Matlab GUI.