

Nimesh Mendis

Software Engineer



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in <https://www.linkedin.com/in/nimesh-mendis-50a90a203/>

📅 05/10/2000

🌐 <https://github.com/NimeshMendis>

📄 PROFILE

Final year engineering student graduating soon.
Interested in a Software Engineering 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. Abeyesundara, *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
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Mr. Navindu Madanayaka,
Research Executive - Software and Data Science,
Sri Lanka Telecom
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🧠 TECHNICAL SKILLS

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

📁 WORK EXPERIENCE

SLT Digital Lab - Sri Lanka Telecom

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

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.

Source code for the projects:

<https://github.com/NimeshMendis> 📄