

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

I am a software developer proficient in fullstack development. I also have experience with data science.

🎓 EDUCATION

BSc. (Hons) in Engineering in Electronics and Telecommunication

Sri Lanka Technological Campus

2020 – 2024

CGPA: 3.50 / 4.00

(Currently waiting for graduation)

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

Ms. Dilanka De Silva,
Department Head, Telecommunication,
SLTC Research University, Padukka
dilankad@sltc.ac.lk, 0703976570

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

🧠 TECHNICAL SKILLS

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

- Backend and API development.
- Trained custom machine learning models. (Review Sentiment Detection, Product recommendation, Stock Forecast etc.)
- Integrated the trained models into the Racoon AI REST API.
- Trained ML models using AWS S3 and sagemaker.
- Data visualization and analysis.

🛠 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. Supports English braille too.

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.