



NISHAN SANGEETH

Sewanagala, Embilipitiya

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PROFILE

A dedicated, responsible, hardworking individual who hopes to utilize his own skills, capabilities, knowledge, and experience in achieving organizational goals as an adaptable team player. A personality with a positive attitude, good communication skills, the readiness to accept challenges, and the passion to dig deep into something with high interest in full-stack development, Data Science, Machine Learning, Deep Learning, Computer Vision, and Artificial Intelligence Engineer

SKILLS

Languages: Python, Java, HTML/CSS, JavaScript, SQL

Artificial Intelligence: Machine Learning, Deep Learning, Data Science

Developer Tools: Anaconda Navigator, Jupyter Notebook, Spyder, Orange 3, VS Code, Postman, NetBeans, IntelliJ IDE, Adobe Photoshop, Google Cloud Platform

Technologies/Frameworks: Linux/Ubuntu, TensorFlow, Keras, PyTorch, FastAPI, Spring Boot, React, Firebase, GitHub

Languages: Sinhala, English

Soft Skills: Problem-solving, Teamwork, Leadership, Adaptability, Fast learning ability, Collaboration, Flexibility

EXPERIENCE

Entgra (Pvt) Ltd

Software Engineer Intern

Dehiwala, Sri Lanka

Feb 2023 – Aug 2023

- Assisted in development of the front end and back end of a web application for Java and JavaScript using React and the Spring Boot framework.
- Implemented the Ant Design framework for the front-end, enhancing user interface design and user experience.
- Developed RESTful APIs using IntelliJ IDEA in conjunction with Java and Spring Boot, creating endpoints for HTTP operations and providing a seamless interface for data interaction. Utilized Postman for API testing and validation.
- Expertise in metadata handling, allowing users to view and manipulate data with precision.
- Demonstrated proficiency with Android Studio for thorough testing of mobile applications, ensuring compatibility and performance optimization.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

EDUCATION

Wrexham Glyndwr University

Bachelor of Science in Computer Science

Wrexham, United Kingdom

Feb. 2023 – Oct. 2023

Institute of Technology University of Moratuwa | ITUM

Bachelor of Science in Computer Science

Diyagama, Sri Lanka

Feb. 2020 – Feb. 2023

MO/Koularagama National School

GCE Advanced Level Examination ; 1-B pass, 1-C pass and 1-S pass

Sewanagala, Sri Lanka

Feb. 2015 – Des. 2018

PROJECTS

Diagnosis Of Heart Patients Using Deep Neural Network |

July 2021

Group - 03 [Python, React, CNN, Pandas, Keras, Tensorflow, Numpy, Matplotlib, OpenCV, Fast API, Firebase]

- Created web applications using CNN, python, fast API, and React to predict whether a person has a heart disease.
- Processed user-inputted information in the back-end of the app to return a subtotal prediction based on the ECG Image input.
- Utilized a comprehensive ECG image dataset to perform data preprocessing. Employed Pandas and OpenCV to efficiently manipulate the data, which included converting the images to grayscale, resizing them, and subsequently saving the processed data as NumPy arrays. Successfully extracted both data and target values.

- Designed and implemented a sophisticated neural network model, incorporating essential components such as sigmoid activation functions, utilizing dense and flatten layers. I seamlessly integrated the trained model into a Python-based FastAPI backend. My contributions showcase proficiency in deep learning, model architecture design, and full-stack development.

Issues Tracking System | [🔗](#)

Feb 2023

Task-02 [Java, MySQL, JavaScript, React, Spring Boot]

- Created web applications using Spring Boot, and React to allow teams to track issues, manage projects, and automate workflows.

Face-mask-classification | [🔗](#) *Python, keras, Tensorflow*

Aug 2023

- During the COVID-19 pandemic, I spearheaded a Face-mask Classification project utilizing Convolutional Neural Networks (CNNs). This initiative aimed to swiftly and accurately identify mask-wearing individuals. And created a model Achieving over 90% accuracy

Face-mask-classification-using-TransferLearning | [🔗](#) *Python, CNN, MobileNetV2*

Sep 2023

- Designed a Convolutional Neural Networks (CNNs) model to swiftly and accurately identify mask-wearing individuals. Employing transfer learning with the MobileNetV2 model, the model had emarkable accuracy, surpassing 90%

Stock-market-value-prediction-LSTM | [🔗](#) *Python, RNN-LSTM*

Aug 2023

- Pioneered the development of a cutting-edge Stock Market Value Prediction model by leveraging RNN-LSTM architecture with Python. This initiative aimed to forecast future market opening values, empowering strategic decision-making with actionable insights.

Question-and-Answering-system | [🔗](#) *Python, BERT*

Aug 2023

- Implemented a state-of-the-art BERT Transformer model to enhance a Question and Answer database by automating answer generation. Trained the model to provide accurate responses to user queries.

Face-classification | [🔗](#) *Python, Deep-Face, VGG-Face, OpenCV*

Sep 2023

- Utilizes cutting-edge Deep Learning techniques for facial classification using deep face. VGG-Face model Provides an easy-to-use interface for users to classify individuals in images. Deployed for real-time classification and continuously improved for better results.

Fake-News-Classification | [🔗](#) *Python, Word2Vec, nltk, PorterStemmer*

Aug 2023

- This project aims to build a Fake News Classification System using LSTM and one-hot encoding. We preprocess the data with NLTK by removing stopwords and applying Porter stemming. The model achieves a strong 91% accuracy in distinguishing between fake and genuine news.

INTERESTS

Artificial Intelligence | Deep Learning | Machine Learning | Computer Vision | Data Science |
Software Engineering | Robotics | Internet of Things | Mathematics

CERTIFICATES

Introduction to Neural Network and Deep learning | [🔗](#)

Sep 2022

Offered by Great Learning

Python for Beginners | [🔗](#)

Oct 2022

Offered by Open Learning Platform - University of Moratuwa

Scrum foundation professional | [🔗](#)

Nov 2022

Offered by SFPC

SOCIETIES

Computer society (ITUM)

Gavel club of ITUM

Rotaract club of UOM

Robotics club of ITUM

REFERENCES

Dr. (Mrs.) K. Galappaththi,
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Senior Lecturer,
Dept. of Information Technology,
Institute of Technology,
University of Moratuwa, Sri Lanka.
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