KALHARA BATANGALA

Machine Learning Engineer

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TECH STACK

pytorch | tensorflow | numpy | matplotlib | Matlab | keras

Colab | Amazon SageMaker | CNN | Transformer | ONNX | Grad-CAM | Opencv

CORE SKILLS

- Problem Solving
- Time Management
- Teamwork
- Adaptability
- Attention to details

LANGUAGES

Sinhala: Native

English: Fluent

INTERESTS

- Web Development
- AR Development

REFERENCES

Dr. Udaya Wijenayake
Head of the Department,
Department of Computer Engineering,
University of Sri Jayewardenepura
udayaw@sjp.ac.lk

ABOUT ME

Final-year Computer Engineering undergraduate with a passion for AI and Machine Learning, particularly in the domain of medical imaging. Strong foundation in OOP, data structures, and mathematical modeling.

EDUCATION

BSc. Eng(Hons)-Computer Engineering | University of Sri Jayewardenepura

03 2021 – 07 2025 | Sri Jayewardenepura

- GPA: 3.40/4.00

GCE Advanced Level & GCE Ordinary Level | Kegalu Vidyalaya

2005 – 2018 | Kegalle

EXPERIENCE

Intern DevOps and System (6 Months) | Sri Lanka Telecom PLC

June 2024 – Dec 2024 | Colombo

During my 6-month internship at SLT, I worked with the DevOps team to deploy and maintain enterprise-grade systems by creating CI/CD pipelines. I was involved in hosting full-stack web applications on the Microsoft Azure cloud platform.

PROJECTS

Sentiment Analysis with BERT | |

August 2025

Implementing a transformer-based model (BERT) to classify sentiment in IMDb reviews, focusing on data preprocessing, tokenization, and fine-tuning for high accuracy in real-world text classification.

NeuroSight - Brain tumor classification using Deep Learning | |

Mar 2025 – Oct 2023

VGG16-based deep learning model for brain tumor classification using 2D MRI scans, designed for accurate and efficient diagnosis.

Dog Classification Model | |

Mar 2025

Built a TensorFlow model using VGG16 to classify dog breeds from images, applying transfer learning and data augmentation to achieve high accuracy with reduced training time.

Eng Pamuda Balasooriya
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Lecturer
BSc. (Hons) Colombo
M.Phil(Reading-Colombo)
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Image Classification model | | |

Mar 2025

Designed and trained a convolutional neural network (CNN) from scratch using TensorFlow to classify images of flowers into multiple categories

Face Detection Application | | |

Mar 2025

Developed a web-based application that allows users to upload images, perform face detection using OpenCV and Haar cascades, and download the processed images with detected faces highlighted.

CERTIFICATIONS

- **Machine Learning**
  Deeplearning.ai (May 2024)
- **Introduction to Deep Learning for computer vision**
  Deeplearning.ai (2024)
- **Neural Networks and Deep Learning**
  Deeplearning.ai (2024)
- **Deep Learning for Object Detection**
  Deeplearning.ai (2024)
- **Convolutional Neural Networks**
  Deeplearning.ai (2024)