# KALHARA BATANGALA

## Software Engineer

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📍 Marawaththa, Pindeniya, Atale  in Kalhara Batangala

⌨ KalharaBatangala  🌐 Kalhara Batangala/Profile

🐦 @KalharaBat27340

## TECH STACK

pytorch | tensorflow

numpy | matplotlib

Matlab | keras

Scikit-learn

Nextjs | Mongodb

React | TailwindCSS

Nodejs | ExpressJS

Opencv

TypeScript | Webpack

Django | MySQL

FastAPI | Docker

Flutter

## CORE SKILLS

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

## LANGUAGES

**Sinhala:** Native

**English:** Fluent

## INTERESTS

- Web Development
- Software Development
- AI/ML
- Data Science
- Mobile App Development

## ABOUT ME

*Computer Engineering graduate with hands-on experience in software development and DevOps practices. Experienced in implementing CI/CD pipelines and cloud-based deployments using Azure DevOps and Jenkins, with a strong foundation in object-oriented programming, data structures, and algorithms.*

## EDUCATION

**BSc. Eng(Hons)-Computer Engineering (Second Class Upper Division)** | University of Sri Jayewardenepura

📅 03 2021 – 07 2025  📍 Sri Jayewardenepura

- GPA: 3.31/4.00

**GCE Advanced Level & GCE Ordinary Level** | Kegalu Vidyalaya

📅 2005 – 2019  📍 Kegalle

## EXPERIENCE

**Software & DevOps Engineering Intern** | Sri Lanka Telecom PLC

📅 June 2024 – Dec 2024  📍 Colombo

- Collaborated with frontend team to implement the frontend of SLT portal and internship management system using React.
- Implemented CI/CD pipelines using Jenkins and Azure DevOps, automating deployments for web applications and reducing deployment time by 30%.
- Developed a web application using nextjs along with TailwindCSS for an internal demo app.

## PROJECTS

**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.

**Real-Time Chat Application** | ⌨ | 🌐

📅 Aug 2025

Web-based chat platform built with Flask and Socket.IO, using a FastAPI backend and Firebase for message storage. Enables real-time, low-latency communication with support for concurrent users.

## VOLUNTEER

- Vice President CENSOC 23/24
- ENIGMA 24 - Organizing Committee
- CodeSquad 4.0 - Organizing Committee

## REFERENCES

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

**Eng Pamuda Balasooriya**
*Engineer*
*Digital Help Desk*
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**Ms Akarshani Amarasinghe**
*Lecturer*
*BSc. (Hons) Colombo*
*M.Phil(Reading-Colombo)*
*Department of Computer Engineering*
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## 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.

## Royal Coffee | Web Application for a coffee shop | 🐙 | 🌐

📅 July 2025

Web application for a coffee shop, built with Next.js, TailwindCSS, and TypeScript, featuring a modern UI and responsive design for seamless user experience across devices.

## ScoreMe | Total Sports Scoring Solution | 🐙 | 🌐

📅 Nov 2024 - July 2025

Total sports scoring solution consisting of a mobile app (Flutter) for score updates and a web app (React, Firebase) for live score display, enabling real-time tracking of domestic matches.

## Space-Sync | AR based interior design app | 🐙 | 🌐

📅 July 2023 - Nov 2023

AR-based interior design application built with Unity and Google Cloud Platform, enabling users to visualize and customize room layouts in real-time.

## Pedro's Pizza | Online store for a Pizza Shop | 🐙 | 🌐

📅 Mar 2025

Online store web application for a pizza shop, developed with React and hosted on Amazon S3 for scalable and reliable deployment.

## 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)