Pamindu Karunadasa

Computer Engineering undergraduate · Applied AI and software

Sri Lanka · pamindu39@gmail.com · GitHub · LinkedIn · Portfolio

Education

General Sir John Kotelawala Defence University · Computer Engineering · 2024–2028 (expected)

Experience

IT intern · Sampath Bank PLC · Head Office
Jan–Nov 2023
Assisted with system maintenance and troubleshooting and supported the IT department's development teams.

Co-founder and CEO · OULU Academy
Co-founded an education academy and built its public-facing website.

Selected projects

SignSpeak
Trained and tested the two-layer LSTM classifier on MediaPipe landmark sequences. Selected for the Data Odyssey 2026 final round with Team Quantum-X.

Sancharakaya
Built the day and activity editor with transfer times and opening-hour notices. 35 local tests passed. A browser walkthrough verified itinerary generation, reopening a saved trip and exporting an offline trip pack.

Smart Face Door Lock
Connected MediaPipe face landmarks to alignment and ArcFace embedding comparison. The prototype combines ArcFace identity matching and a separate blink check in one local workflow.

LeafLens
Worked on the transfer-learning image classification pipeline and the Streamlit assessment interface. One Streamlit app demonstrates two workflows: paddy disease classification and tea quality assessment.

Kaggle sign language dataset
Compiled and published 17,668 videos from SignASL contributors across 1,947 populated word folders.

Recognition and leadership

TensorForge AI Buildathon (2nd runner-up) · AI Challenge Sri Lanka 2026 (Grand finale finalist) · Data Odyssey 2026 (Finalist) · CHYPER 4.0 (Finalist).
KDU BCS Student Chapter Chairperson · IEEE Computer Society Webmaster · ERIC Editor.

Technical skills

Python, JavaScript, TypeScript, C#, TensorFlow, MediaPipe, OpenCV, React, Flask, Streamlit, SQLite, Supabase, Arduino and Git.