



# LAKSANA SRIHARAN

## PROFILE

Recent Graduate at the University of Jaffna with a strong foundation in Computer Science and hands-on experience as an Intern at WSO2. I am eager to apply my skills in software development/research in an entry-level role. I look forward to contribute to a dynamic and collaborative team while further developing my expertise in a fast-paced, growth-oriented environment.

## WORK EXPERIENCE

### Department of Computer Engineering - University of Sri Jayewardenepura

#### Research Assistant

MAR 2025 - JUNE 2025

Kottawa, Western Province, Sri Lanka

- Collaborating with the Department of Pediatrics, FMS, USJ, to develop a mobile application aimed at supporting caregivers.

### WSO2 Lanka (Pvt) Ltd

MAY 2024 - NOV 2024

#### Intern

Colombo - 04, Western Province, Sri Lanka

#### Intern Project: Performance Testing Automation and Visualization for Private Identity Cloud (PIC)

- Responsibilities:
  - Automated end-to-end performance tests and set up continuous integration/continuous deployment pipelines for seamless execution.
  - Developed scripts to publish performance test results to Google Sheets and GitHub for documentation and version control.
  - Utilized Looker Studio to create interactive dashboards for real-time data visualization and insights.
- Technologies Used: JMeter, Azure DevOps, Google Sheets, GitHub, Looker Studio, CI/CD Pipelines.

## EDUCATION

### BSc Hons (Computer Science)

SEP 2020 - DEC 2024

#### Department of Computer Science, Faculty of Science, University of Jaffna

- Overall GPA: 3.81/4.00 ( First Class )
- Final Year Research Project: Sri Lankan Currency Recognition for people with visual impairment using Convolutional Neural Network.

### BCS, The Chartered Institute for IT

MAR 2018 - SEP 2019

- Professional Graduate Diploma in Information Technology

## CONTACT

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## TECHNICAL SKILLS

- Java
- Object Oriented Programming (OOP)
- Git/GitHub
- MySQL
- Performance Testing Tools - Apache JMeter
- CI/CD Tools - Azure DevOps

## SOFT SKILLS

- Project Management
- Teamwork
- Time Management
- Communication
- Critical Thinking

## LANGUAGES

- English (Fluent)
- Tamil (Fluent)
- Sinhala (Intermediate)

## CERTIFICATIONS

- WSO2 Certified Identity Server Practitioner - V7certificate/CID-04624018

## PUBLICATIONS

Laksana, S. and Shriparen, S. "Sri Lankan Currency Recognition for People with Visual Impairments Using CNN." in Google exploreCSR, University of Jaffna, 19th October 2024. [Poster]

[View Publication ->](#)

## AWARDS

### Best Performance Award – Northern Province

- Recognized as one of the top performers in the Northern Province under the "University Top Talent" program by D P Infotech (Pvt) Ltd.

### Dean's List Recognition –

- Awarded for outstanding academic performance in all academic years.

## MEMBERSHIPS

- Institute of Electrical and Electronics Engineers  
Student Member · Sep 2021 - Present
- BCS, The Chartered Institute for IT  
Student Member · Mar 2018 - Present

## PROJECTS

### Sri Lankan Currency Recognition For People with Visual Impairments using Convolutional Neural Network

MAR 2024 - DEC 2024

- Developed a deep learning-based solution to detect and classify Sri Lankan currency notes to assist visually impaired individuals.
- Implemented YOLOv10 for currency note detection and an ensemble of Convolutional Neural Networks (CNNs) for accurate classification of denominations, achieving an overall accuracy of 97.14%.
- Integrated the system into a mobile application, providing real-time audio feedback for recognized denominations to enhance accessibility.
- Focused on improving usability and accuracy for practical use by visually impaired users.

### Point of Sale (POS) System - Book Depot in Colombo

MAY 2023 - NOV 2023

- Designed and developed a Point of Sale system to streamline operations for a book depot.
- Implemented key features such as barcode scanning and camera-based product addition to simplify product entry and enhance inventory management.
- Included modules for customer management, supplier management, and employee attendance tracking with integrated salary management, enabling centralized and efficient data handling.
- Automated manual processes and improved operational efficiency.

Technologies Used: Laravel Framework, MySQL

## REFERENCE

Dr. S. Shriparen  
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