

# LAKRUWAN SHARAKA

Data Analyst | Backend Developer



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GitHub: <https://github.com/LaKrUwaNS>  
Portfolio: <https://lakruwan.vercel.app>

## ABOUT ME

Motivated and detail-oriented **Data Analyst and Backend Developer** with hands-on experience in **full-stack development, data analytics, and AI-integrated systems**. Skilled in building secure backend services, performing data analysis, developing interactive dashboards, and supporting data-driven decision-making. Strong foundation in **SQL, Power BI, Spring Boot, FastAPI, and modern JavaScript frameworks**, with a continuous learning mindset and strong collaboration skills.

## EDUCATION

### Bachelor of Information and Communication Technology Honors

2023 - Present

Uva Wellassa University of Sri Lanka

Current GPA: 3.65

## TECHNICAL SKILLS

### Hard Skills

- **Backend Development:**  
Spring Boot | NestJS | Express.js | FastAPI | Spring Security | RESTful APIs | JWT Authentication
- **Data Analysis & Business Intelligence:**  
SQL, PostgreSQL | Data Cleaning | Statistical Analysis | Power BI | DAX | Forecasting | Data Modeling
- **Databases & AI Integration:**  
MongoDB | SQL Databases | AI-Integrated Databases | Retrieval-Augmented Generation (RAG) | LangChain | Hugging Face
- **Frontend & UI Technologies:**  
React.js | Next.js | TypeScript | Tailwind CSS | Framer Motion | Electron.js
- **DevOps & Tools:**  
Git | GitHub

### Soft Skills

- Technical Communication
- Analytical Problem Solving
- Critical & Logical Thinking
- Cross-Functional Collaboration
- Time Management
- Adaptability & Continuous Learning

## PROJECTS

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### Smart Inventory & Stock Management System (In Progress)

<https://github.com/LaKrUwaNS/StockSync.git>

Full Stack Developer

- AI-powered inventory platform delivering real-time analytics and intelligent stock optimization using microservices and AI models.
- **Technologies:** Spring Boot, FastAPI, Next.js, Electron.js, PostgreSQL, Hugging Face, Spring Security

### Edu net – Internal mail system (In Progress)

<https://github.com/Kavindu-Dhanushka/EduNet-Internal-Mail-System.git>

Backend Developer

- AI-powered inventory platform delivering real-time analytics and intelligent stock optimization using microservices and AI models.
- **Technologies:** FASTAPI, React, js, Laravel

### University Medical System File Management

[https://github.com/LaKrUwaNS/UWU\\_Medical.git](https://github.com/LaKrUwaNS/UWU_Medical.git)

Backend Developer

- Secure digital medical records management system with role-based access and JWT authentication, improving data security and administrative efficiency.
- **Technologies:** Node.js, Express.js, TypeScript, MongoDB, JWT, Cloudinary

### House Price Prediction ML Model

<https://github.com/LaKrUwaNS/simple-House-Price-Predictor.git>

Full Stack Developer

- Predictive machine learning model using Random Forest to estimate house prices based on market features and trends.
- **Technologies:** Python, Random Forest, Jupiter Notebook

### SQL Data Cleaning & Text-to-SQL Query System

<https://github.com/LaKrUwaNS/COVID-AI-SQL-Assistant.git>

Full Stack Developer

- Performed SQL data cleaning and developed a natural language-to-SQL solution enabling users to execute queries on datasets.
- **Technologies:** SQL (Postgres),

### Data Analysis Dashboards

[www.linkedin.com/in/lakruwan-sharaka](http://www.linkedin.com/in/lakruwan-sharaka)

- **Hospital Healthcare Analytics Dashboard (Power BI)**
  - Power BI dashboards for healthcare trend analysis and decision support.
- **2030 AI Job Market Analysis & Prediction (Power BI)**
  - Power BI analysis and forecasting of AI job market trends.
- **COVID-19 Data Analysis & Visualization (Power BI)**
  - Power BI reports analyzing COVID-19 healthcare data.

### Project Design and Prototype

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- **Food Delivery App UI/UX (කුණුවම)** – User-centered UI/UX design focused on usability and accessibility.
- **VegiGet E-Commerce UI/UX** – Clean and intuitive UI/UX design for an online shopping platform.

## CERTIFICATIONS

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- **Python Programming**
  - Moratuwa University Distance Learning
- **Python Programming**
  - Udemy
- **Web Development for Beginners**
  - Moratuwa University Distance Learning
- **C++ for Beginners**
  - Solo learning

## EXTRACURRICULAR ACTIVITIES

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### ICT Main Student Coordinator – UWU Expo 2025

*2025*

- Led student coordination and event operations for a large-scale university exhibition
- Managed communication between organizers, participants, and student teams

### Vice President – UVA Cyber Security Hub

*Present*

- Supporting leadership activities and cybersecurity-focused student initiatives
- Contributing to awareness programs, events, and technical community building

## EXPERIENCE

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### Floor Assistant – Arpico Daily Kuliyapitya

*2021 – 2022 (6 Months)*

- Assisted customers with product inquiries and in-store support
- Supported daily store operations and shelf organization

### Data Entry Operator – Omega Line Pannala

*2022 – 2023 (12 Months)*

- Performed accurate data entry and record maintenance
- Ensured data consistency and supported operational reporting

## REFEREES

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### Senior Lecturer,

Ms. U.W. Hansika Ukgoda,  
Uva Wellassa University, Sri Lanka  
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### Lecturer

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