

LAKRUWAN SHARAKA

Data Analyst | Backend Developer



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LinkedIn: www.linkedin.com/in/lakruwan-sharaka
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

Smart Inventory & Stock Management System (In Progress)

Full Stack Developer

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

- 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)

Backend Developer

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

- 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

Backend Developer

https://github.com/LaKrUwaNS/UWU_Medical.git

- 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

Full Stack Developer

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

- 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

Full Stack Developer

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

- 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

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- **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 (කැන්විම)** – 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

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

EXTRACURRICULAR ACTIVITIES

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

Floor Assistant – Arpico Daily Kuliypitya

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

Senior Lecturer,

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

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Lecturer

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