



Nadiranga Lakruwan

PROFESSIONAL SUMMARY

Motivated Master's student in Data Science with professional experience in software development, mobile applications, and data analytics. Skilled in Python, SQL, web development, and problem solving. Seeking part-time or full-time opportunities in Sweden where I can contribute technical, analytical, and teamwork skills.

PERSONAL DATA

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- **Portfolio**
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- **Linkdin**
www.linkedin.com/in/nadiranga-lakruwan
- **Github**
<https://github.com/Nadiranga>

LANGUAGE

- English (Fluent)
- Swedish (Learning)

EDUCATION

- **2025 - 2027**
Master of Data Science (Ongoing)
Dalarna University, Sweden
- **2021 - 2023**
Bachelor of Science(Hons) Computing
Coventry University, UK
Graduated with Upper Second Class
- **2019 - 2020**
Higher National Diploma in Software Engineering
NIBM, Sri Lanka
- **2018 - 2019**
Diploma in Computer System Design
NIBM, Sri Lanka

PERSONAL ATTRIBUTES

- Strong analytical and problem-solving skills
- Mature, responsible, and dependable
- Performs well under pressure; consistently delivers high-quality results
- Excellent communication and collaborative abilities
- Resilient and adaptable to diverse and changing environments
- Effective in time management and organization
- Experienced in customer service and client relationship management
- Technologically curious with a holistic, customer-focused mindset

TECHNICAL SKILLS

- **Programming & Data Science:**
Python, R, Java, C#, C++, SQL, Data Mining, Machine Learning, Statistical Modeling
- **Data Analysis & Visualization:**
Power BI, Data Visualization (Matplotlib, Seaborn, ggplot2), Pandas, NumPy
- **Web & Mobile Development**
React (MERN Stack), Node.js, Spring Boot, Android (Java/Kotlin), Flutter, Flask
- **Database Management:**
MySQL, MongoDB, SQLite, SQL Server
- **Cloud & API Development:**
Firebase, RESTful APIs
- **UI/UX Design:**
Figma, Adobe XD
- **IDEs & Development Tools:**
Visual Studio, VS Code, IntelliJ, Android Studio, Xcode, Jupyter Notebook, Git
- **Operating Systems:**
Windows, macOS, Linux, Android

PROFESSIONAL EXPERIENCE

Software Engineer (Freelance)

- Developed an E-Commerce Application for a restaurant in Dubai, integrating secure payment systems and a user-friendly interface.
- Designed a Smart IoT System for agriculture, enabling automated monitoring and control of environmental conditions.
- Created a Mobile Application for RNK Construction Pvt Ltd, streamlining project management and internal communications.
- Smart Appointment Booking System - A full-stack web app (MERN + Firebase Auth) for booking appointments with service providers (doctors, salons, etc.), featuring real-time availability, email notifications, and admin dashboards.
- E-Commerce Web Platform - Built a scalable e-commerce site using React, Node.js, MongoDB, and Stripe API. Features include product search, shopping cart, order tracking, and user login/authentication.
- Student Attendance App (Android Studio) - Built a student-teacher attendance system with QR code check-in, role-based access, and SQLite + Firebase for storage.

Android Mobile Developer - eBEYONDS Private Limited, Colombo, Sri Lanka - 2021

- Food Delivery App Clone - A mobile clone of apps using Android Studio. Includes order tracking, restaurant menus, user login, and Google Maps API for delivery tracking.
- Student Attendance App (Android Studio) - Built a student-teacher attendance system with QR code check-in, role-based access, and SQLite + Firebase for storage.
- Habit Tracker App (Android + Flutter) - A productivity mobile app that helps users build habits with streaks, reminders, and motivational quotes. Includes Firebase backend and analytics.

Associate Software Engineer - Mobios Private Limited, Colombo, Sri Lanka - 2020

- Worked on Medica - Digital Healthcare Solution, a cloud-based platform for doctors and patients.
- Contributed to the UI design of the TV channel's SMS raffle draw system.
- Assisted in database development and API integration for healthcare applications.
- Gained experience in full-stack development using Java, React, MERN and MySQL.

PROJECTS (SELECTED)

AdventureWorks Data Warehouse & Power BI Project

- This project implements a full Business Intelligence pipeline using: SQL Server, SSIS (ETL), SSAS Tabular, Power BI Based on AdventureWorks2014 database.

Customer Segmentation for Strategic Marketing - Data Mining & Clustering

- Performed RFM analysis and applied K-Means, Hierarchical, and DBSCAN clustering to segment customers for targeted marketing strategies.

Predictive Analysis on Titanic Dataset - Supervised Learning

- Implemented Decision Tree and Random Forest classifiers to predict survival outcomes; evaluated model performance with cross-validation.

Text Mining on Star Wars Scripts - NLP & Sentiment Analysis

- Conducted text preprocessing, sentiment analysis, and topic modeling on movie scripts to extract character patterns and thematic trends.

CSR Reports Image Analysis - Computer Vision & R

- Analyzed corporate sustainability reports to identify dominant objects/images and studied correlation with company performance.