

VISHMI BHAGYA EDIRISINGHE

247/6 St. James Garden, Jalthara, Ranala, Sri Lanka | +94 76 612 7886 | Gmail: vishmibhagya886@gmail.com | GitHub: [vishmi11 \(Vishmi Bhagya\)](https://github.com/vishmi11) | LinkedIn: <https://www.linkedin.com/in/vishmi-bhagya-757a32373> | Portfolio: [My Portfolio](#)

PROFILE

Data Science undergraduate at SLIIT with a strong academic record (GPA 3.8) and hands-on experience in data analysis, machine learning concepts, and data-driven application development. Skilled in Python, SQL, and analytical tools with practical exposure to building finance and web-based systems. Actively seeking a Data Science–related internship to apply statistical, analytical, and programming skills to real-world problems.

EDUCATION

- **Sri Lanka Institute of Information Technology (SLIIT)**
BSc. (Hons) in Information Technology specialized in Data Science
Expected graduation: 2027 | Currently 3rd Year Student | Cumulative GPA: 3.8
- **R/Sumana Balika Vidyalaya, Ratnapura**
G.C.E. A/L — 2022
G.C.E. O/L — 2019

CORE DATA SCIENCE SKILLS

Programming & Query Languages: Python, R, SQL

Data Analysis & Visualization

- Excel, Google Colab, RStudio
- Data cleaning, exploratory data analysis (EDA), basic visualization

Machine Learning & AI (Foundational)

- Supervised & unsupervised learning concepts
- NLP fundamentals and LLM-assisted systems

Development & Tools

- GitHub, VS Code, Jupyter/Colab
- Flask, MERN Stack (for data-driven applications)

DATA SCIENCE PROJECTS

SecureBank AI – Credit Card Fraud Detection System

Aug 2025 – Oct 2025 | Group Project (Foundations of Data Mining)

GitHub: github.com/AMODHYAJ/Y3S1-Credit-Card-Fraud-Detection

Built an end-to-end ML pipeline for credit card fraud detection

- Performed data preprocessing, feature engineering, and class imbalance handling
- Trained and evaluated Isolation Forest, Random Forest, and Logistic Regression models
- Assessed performance using precision, recall, F1-score, and AUC
- Implemented anomaly detection and model evaluation visualizations

Technologies: Python, Scikit-learn, Pandas, NumPy, Matplotlib

Household Finance Management System – AI-Powered Web Application

Aug 2025 – Oct 2025 | Group Project

GitHub: github.com/AMODHYAJ/household_finance_app-final-

- Developed a multi-agent AI system for automated household finance analysis
- Designed agents for data collection, visualization, and insight generation
- Analyzed spending patterns and generated actionable financial recommendations
- Implemented OCR-based receipt extraction and anomaly detection

Technologies: Python, Flask, SQLite, Data Visualization

ADDITIONAL PROJECTS

PDN Products – Furniture Manufacturing & Retail System

Feb 2025 – May 2025 | Full-Stack Project

GitHub: github.com/AMODHYAJ/PDN_Furniture

Developed a data-driven MERN application for managing inventory, orders, and products

- Designed separate customer and factory workflows using structured MongoDB data
- Implemented scalable backend architecture with clean routing

Developer Portfolio Template – MERN

Jun 2025 – Jul 2025 | Personal Project

GitHub: github.com/vishmi11/My-portfolio

- Built a configurable, responsive developer portfolio using the MERN stack
- Implemented Tailwind CSS UI and email-based contact functionality

Fashion Store Website

Feb 2024 – Jun 2024 | Academic Project

GitHub: github.com/vishmi11/FashionStore

- Developed a retail website with structured product catalog and admin panel

Police Education Data Analysis

September 2025 | Data Analysis Project

GitHub: github.com/vishmi11/police-education-analysis

- Performed exploratory data analysis on police education-related data using Python
- Cleaned datasets, analyzed trends, and visualized insights to support data-driven conclusions

Technologies: Python, Pandas, Matplotlib

CERTIFICATIONS

- British Council – Upper Secondary Plus B1.1
- AWS SimuLearn Fundamentals – Amazon Web Services (Cloud, Security, Networking, Databases, S3, Auto-Scaling)
- Microsoft Azure Fundamentals (VMs, Networking, Storage, Security)

VOLUNTEER EXPERIENCE & LEADERSHIP

- Volunteer – SLIIT FOSS Women Community
- Executive member of Youth Committee - Community Crime Prevention Foundation
- Volunteer - Centre for Gender Studies (UoK)
- School Leadership Roles - Senior Prefect (2021–2022) | Junior Prefect (2018–2019)