

RANASINGHE R.P.V.K.

Undergraduate | BSc (Hons) Information Technology (Data Science)

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GitHub: github.com/vranasinghe | LinkedIn

PROFESSIONAL SUMMARY

Motivated second-year Information Technology undergraduate specializing in Data Science at SLIIT. Driven by a passion for both technical engineering and creative design, with hands-on experience building full-stack AI-based systems alongside a proven track record in Graphic Design. Leverages an artistic background to enhance the user experience of technical projects, ensuring they are as visually engaging as they are functional. A dedicated learner and problem-solver aiming to contribute multidisciplinary expertise to innovative real-world solutions.

PROJECT EXPERIENCE

DengueRisk – AI-Based Dengue Risk Prediction System

August 2025 – October 2025

Technologies: Python, Pandas, NumPy, Scikit-learn, Data Visualization

- Developed a machine learning model to classify dengue risk levels
- Performed data preprocessing and feature engineering
- Visualized trends to support early outbreak detection

Web-Based E-Voting System for Campus Awards

July 2025 – October 2025

Technologies: Java, React (Vite), H2, MS SQL Server

- Built a secure e-voting system ensuring one vote per user
- Developed admin-controlled event and nomination management
- Created dashboards for transparent result handling

Second-Hand Car Sales and Purchase Platform

February 2025 – May 2025

Technologies: Java, JSP, Servlets, MySQL, HTML/CSS, GitHub

- Developed a full-stack web application to facilitate the buying and selling of used vehicles
- Built a seller dashboard allowing users to post car details, upload photos, and manage active listings
- Implemented search and filtering features to enable buyers to easily navigate inventory and contact sellers
- Managed version control and collaboration using Git/GitHub to coordinate development across a multi-contributor team

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, R
- **Frameworks & Technologies:** Spring Boot, React.js, Java Servlets, JSP
- **Databases:** MySQL, JSON, MongoDB, PostgreSQL
- **AI / Machine Learning:** Machine Learning, Scikit-learn, Pandas, NumPy, Data Analysis, Data Visualization, NLP (NLTK)
- **Web Development:** HTML, CSS, REST APIs
- **Design & Creative:** Graphic Design, UI/UX (Figma)
- **Tools & Platforms:** Git, GitHub, VS Code, IntelliJ IDEA, Postman, PyCharm

SOFT SKILLS

Problem Solving • Analytical Thinking • Teamwork & Collaboration • Communication (Verbal & Written) • Time Management • Adaptability • Continuous Learning

EDUCATION

BSc (Hons) Information Technology – Data Science (Undergraduate) Sri Lanka Institute of Information Technology	<i>2024 – Present</i>
G.C.E. Advanced Level (A/L) – Physical Science Stream Ananda College, Colombo 10	<i>2019 – 2023</i>
G.C.E. Ordinary Level (O/L) Dharmapala Vidyalaya, Pannipitiya	<i>2017 – 2018</i>