

# H.P. DEEGHAU VIDARSHANA PREMASIRI

## DATA SCIENCE | DATA ANALYTICS | DATA ENGINEERING INTERNSHIPS

3rd Year (3Y1S) IT Undergraduate | specializing in Data Science  
Sri Lanka Institute of Information Technology (SLIIT), Malabe

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Third-year IT undergraduate specializing in Data Science with hands-on experience in Python (Pandas, NumPy), SQL, Excel, and Tableau/Power BI for data cleaning, exploratory data analysis, visualization, and dashboard development. Familiar with machine learning concepts (scikit-learn) and statistical thinking, applying analytical problem-solving to extract insights from datasets. Strong team player with a consistent record of delivering high-quality work on time.

### AREA OF EXPERTISE

- Programming & Algorithms — Python (sorting algorithms, loops, data structures), Java, C++
- Data Analysis & Visualization — EDA, Dashboards, Excel, Basic ML, learning Power BI & Tableau
- Web Development — MERN, Java(JSP / Servlets), PHP, HTML/CSS
- Database Design & Management — SQL & MongoDB
- Statistical Computing — RStudio
- Version Control & Collaboration — Git & GitHub, Agile sprints
- Communication & Leadership — Team lead, Presentations

### KEY ACHIEVEMENTS

- **Presented project viva sessions and progress** demos with clear communication and leadership under tight academic deadlines.
- **Led a 5 member teams** across 3 module projects; closed 100% sprint tasks on time.

### PROFESSIONAL & ACADEMIC EXPERIENCE

#### Full-Stack Developer — SafeZone Disaster Management System

Jul 2025 – Oct 2025

- Led a 5-member team to design and deploy *SafeZone*, a real-time MERN-based Disaster Management System integrating weather APIs, automated alerts, and analytics dashboards for nationwide disaster response.
- Managed Git branching and version control, coordinating cross-module presentations, weekly stakeholder demos, and action oriented team meetings.

#### StockFlux — Real-Time Stock Market Prediction System (Python)

Nov 2025 – Dec 2025

- Real-time stock market analysis and prediction system built with Python, using live financial data, time-series feature engineering, and machine-learning models with interactive visualizations.

#### Android App Developer — WellTrack App

Jul 2025 – Oct 2025

- Developed a wellness & habit tracking app with hydration reminders and mood-tracking charts. Applied WorkManager for scheduled notifications and modular Kotlin extensions for cleaner code.

#### Travel-Mania — Online Tour Guide System (Java)

Feb 2025 – May 2025

- Led a team in developing a Java web application using JSP, Servlets, and MySQL, implementing full CRUD functionality within an MVC-based online tour guide system.

#### Data Analyst — RStudio Labs (Probability & Statistics)

- Conducted EDA and visualization in R (histograms, box plots, frequency polygons); identified likely distributions and reported findings.

### EDUCATION

#### Sri Lanka Institute of Information Technology (SLIIT) - Malabe

Oct 2023 – Present

- BSc (Hons) in Information Technology - Specializing in Data Science

#### Aquinas College of Higher Studies - Colombo 10

Mar 2023 - May 2025

- Diploma in English Language and Literature (Completed)

#### De Marenod College - Kandana

Jun 2020 – Sep 2023

- G.C.E Advanced Level - Physical science stream

### ADDITIONAL INFORMATION

- **Languages:** English (Fluent), Sinhala (Native)
- **Extracurricular Activities:** Sub-committee member of the Faculty of Computing Media Unit.

### REFERENCES

#### Mrs. Geethanjali Wimalaratne

Senior Lecturer, Department of Information Technology  
Faculty of Computing, SLIIT.  
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#### Mr. Prasanna Wickramaratne

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