

# SESHAN PERERA



Data Science / Data Analysis Intern

## PERSONAL DETAILS

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## PROFILE

Energetic and results-driven undergraduate in **Applied Data Science Communication** at KDU, with a passion for transforming raw data into meaningful insights. Skilled in analysis, visualization, and storytelling, and committed to turning data into actionable solutions. Eager to join a forward-thinking team as a **Data Science or Data Analysis Intern**, bringing curiosity, discipline, and a strong drive to learn and innovate.

## EDUCATION

**BSc in Applied Data Science Communication(Undergraduates)**  
General Sir John Kotelawala Defence University, Rathmalana, Sri Lanka.

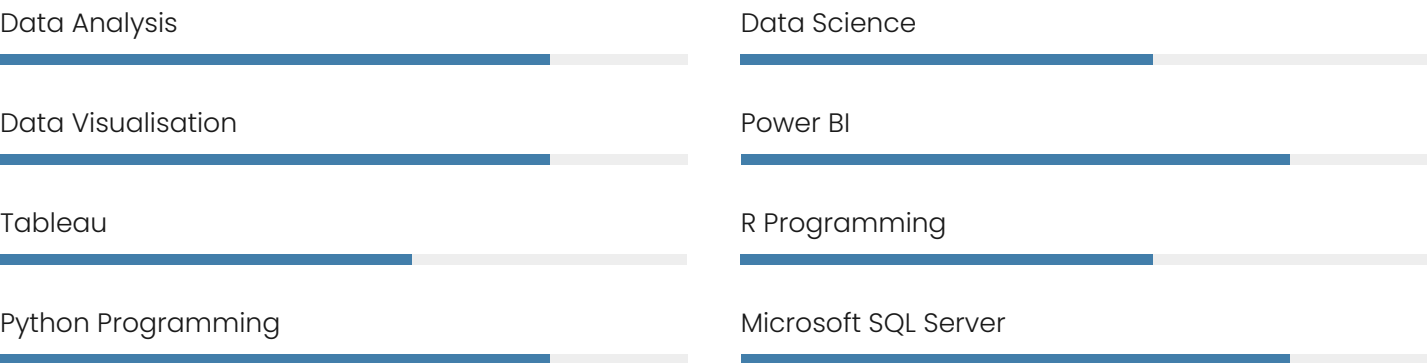
**Full School Tenure**  
S.Thomas' College, Mount Lavanaia, Sri Lanka.

## CERTIFICATION

**Google Data Analytics Professional Certificate**  
Completed an industry-recognized program covering data cleaning, analysis, visualization, and data-driven decision making using tools such as SQL, R, Excel, and Tableau.

**IBM Applied Data Science Certificate**  
Completed hands-on training in Python, data analysis, machine learning, and visualization through real-world IBM data science labs and projects.

## SKILLS



Artificial Intelligence (AI)



Android App Development (Kotlin)



Statistical Modelling



Presentation Skills



Data-driven Decision Making



Public Speaking



Flutter Mobile App Development



HTML & CSS



Analytical Skills



Microsoft Excel



Data Cleaning



Event Management



## LANGUAGES

English



Sinhala



## HOBBIES

■ Cricket

■ Coding challenges

■ App Development

■ Swimming

■ Data visualisation

■ IoT Development

## EXTRACURRICULAR ACTIVITIES

### Executive Member

AI & Data Science Club  
KDU

### Vice President

KDU Media Circle

### Team Leader Business Development

KDU Comperes' Club

### Head of the Organizing Committee

Talento'25  
KDU

### Cricket

Opening Batsman  
KDU  
Colombo Colts Cricket Club

### Swimming

KDU

## PROJECTS

### **Lancashire Property Price Monitor & Yorkshire and Humber Regional Crime Dashboard**

Collaboratively designed and implemented two end-to-end data analytics solutions using SQL Server and Power BI. Built relational databases, cleaned and transformed large-scale public datasets (property transactions and regional crime records), and developed interactive dashboards with advanced DAX measures. Delivered insights on property pricing trends, regional crime patterns, and key performance metrics. Produced a full technical report and presentation explaining methodology, system design, visualization rationale, and actionable insights for stakeholders.

### **UK Immigration Statistics Analysis & Australian Government Data Intelligence Dashboard**

Developed two advanced data analytics solutions using large-scale public datasets from the UK and Australian governments. Designed SQL Server databases, performed extensive data cleaning, transformation, and modelling, and built interactive Power BI dashboards incorporating advanced DAX calculations, drill-throughs, custom visuals, and time-intelligence metrics. Delivered insights on immigration trends, visa decisions, citizenship applications, and Australian socio-economic indicators. Documented the full workflow in a technical report and presented dashboard walkthroughs through recorded presentations.

### **Smart Wi-Fi Controlled Grass Cutting Robot Using ESP32 and Kotlin Mobile App**

This project involves the development of a smart grass-cutting machine controlled via Wi-Fi using an ESP32 microcontroller and a custom Android app built in Kotlin. The ESP32 manages the motors and cutting mechanism, while the mobile app provides real-time directional control and start/stop functions through a wireless connection. The system offers a simple, low-cost, and convenient solution for remote lawn maintenance, demonstrating skills in IoT, embedded systems, wireless communication, and mobile app development.

### **Cross-Platform Mobile App Development for Sewani.lk Using Flutter**

I developed a fully cross-platform mobile application for Sewani.lk using Flutter, ensuring smooth performance on both Android and iOS devices. The app features an intuitive interface, improved navigation, and seamless integration with Sewani's services, providing users with a faster and more convenient way to access the platform.

### **SESHBOT – AI-Powered Personal Assistant with Prompt Engineering & Web Integration Using Ollama**

Developed a fully customized AI assistant named SESH using the Ollama LLM framework and an advanced prompt-engineering workflow. Designed and built a responsive web interface with HTML, CSS, and JavaScript, enabling seamless user interaction. Implemented backend components using Python, Java, and JSON, supporting model communication, data handling, and dynamic AI responses. This project demonstrates skills in full-stack development, LLM integration, prompt engineering, and building intelligent web-based AI systems.

## ACHIEVEMENTS

### **Head of Organizing Committee – Talento'25, KDU**

Successfully led the musical show at KDU by overseeing logistics, promotions, budgeting, and event coordination, resulting in high attendance and a financially profitable outcome.

### **Organiser – DataDash Tennis Ball Cricket Tournament, AI & Data Science Club, KDU**

Coordinated and executed a fundraising cricket tournament for the AI & Data Science Club. Managed team registrations, scheduling, sponsorships, and event flow, contributing to a highly successful fundraiser.

**Cricket Captain – Colombo Colts Cricket Club (Division 3)**

Led the Division 3 team, developing strategies, mentoring players, and managing training sessions, contributing to team performance and competitive success in club tournaments.

**School Prefect – S. Thomas' College**

Led student initiatives, maintained discipline, and organized events for over 500 students while supporting school administration and leadership programs.

**Cricket Captain – S. Thomas' College**

Captained the school cricket team to victory in the inter-school championship; mentored junior players and developed team strategy and training plans.

**Swimming Captain – S. Thomas' College**

Coordinated training schedules, guided team members, and managed competitive events during inter-house and inter-school meets.

## NON-RELATED REFEREES

**Lieutenant Colonel JPWK Abeyawickrama**

Senior Lecturer Gr I

Faculty of Management, Social Sciences and Humanities

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Ratmalana.

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**Chamodhi Wickramasinghe**

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