THIRUNI WIJERATHNE

DATA SCIENCE UNDERGRADUATE

thiruwijerathne@gmail.com | +94 757 489 276 | https://github.com/thiruniw |
www.linkedin.com/in/thiruni-wijerathne-14643b37a
1067/38,Virginia Residencies, Pothuarawa Road, Malabe.

SUMMARY

Ambitious and highly dedicated 3rd-year Data Science undergraduate at the Sri Lanka Institute of Information Technology, passionate about innovation, analytical problem solving, and emerging trends in Data Science. Skilled in collaborative work and clear idea articulation across diverse teams, with a strong commitment to ongoing skill enhancement and staying current with industry advancements. Focused on delivering high-quality outcomes and driving meaningful contributions in academic and professional settings.

EDUCATION

Bachelor of Science (Hons) in Information Technology specializing in Data Science

Sri Lanka Institute of Information Technology

May 2023 – Present   **CGPA - 3.62**

GCE Advanced Level - Arts Stream

Musaeus College Colombo 07

June 2020 - Jan 2023

Eastern Music-A, ICT-C, English Literature -S

PROJECTS

RideGuard Ride Cancellation Predictor   **Sep 2025 - Oct 2025**

- Developed a predictive model which can predict ride cancellations when inputs are given.
- Loaded, cleaned, and preprocessed a real dataset to ensure quality inputs.
- Visualized distributions and correlations.
- Trained a few machine learning models and selected the best one based on performance metrics.
- Experienced working with Google Colab, Jupyter Notebook and deployed the model using Streamlit.

StudyAura Adaptive Exam Preparation AI System   **Aug 2025 - Oct 2025**

- Designed a multi-agent exam preparation system with three core agents: Quiz Generator, Performance Tracker, and Planner Agent.
- Implemented inter-agent communication using REST APIs to ensure modular and scalable architecture.
- Developed a Quiz Generator Agent powered by Large Language Models to auto-generate quizzes with AI-based explanations.
- Built a Performance Tracker Agent to analyze user progress, accuracy, and improvement trends.
- Implemented a Planner Agent to generate personalized study plans based on performance data.
- Developed backend using Python and built UI using Streamlit for interactive dashboards.
- Utilized MongoDB for storing quizzes, user progress, and activity logs.
- Designed a pricing model (Basic & Premium) offering enhanced features for premium users.

BakedTato Online Food Delivering System   **Feb 2025 - June 2025**

- Developed this web-based food delivery system based on customer requirements.
- Constructed using the MERN stack - MongoDB, Express.js, React.js, and Node.js.
- Provided a modern and streamlined platform to manage all the functions of the business.
- This included user management, product management, tracking orders, inventory management, coordination of delivery, and payment processing.

TECHNICAL SKILLS AND TOOLS

Programming Languages
Python, Java, R, C, C++, JavaScript, SQL

Frameworks & Backend Development
FastAPI, MERN Stack, React

Databases
MongoDB, SQL Server, MySQL Workbench

AI/ML & Data Science
Scikit-Learn, Pandas (basic), NumPy (basic), TensorFlow (basic), Keras (basic), Matplotlib (basic), LLM Integrations, Agentic AI Systems

Tools & Platforms
Jupyter Notebook, R Studio, Power BI (basic), VS Code, Eclipse, Git, MS Office

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SOFT SKILLS

- Communication
- Team Work and Collaboration
- Adaptive Learner
- Project Management

KEY ACHEIVEMENTS

Dean's List Nominee
Got selected in to the Dean's List - Year 1 Semester 2 with a GPA of 3.78

CERTIFICATIONS

- Excel for Data Science Beginners - Great Learning Academy
- Data Science Foundation - Great Learning Academy
- AI/ML Engineer Stage 1 - SLIIT

I affirm that the above information is accurate and truthful.

REFERENCES

Dr. Prasanna S. Haddela
PhD (SHU, UK), MSc (UCSC, LK), BSc(UoC, LK), AFHEA (UK)

Dean/Academic - SLIIT Matara Centre
Head/ Graduate Studies - FoC
Senior Lecturer (HG) - FoC

Sri Lanka Institute of Information Technology
prasanna.s@sliit.lk | +94 71 470 5502
+94 11 754 4126

Mr. S.A.R.J.Satharasinghe
FCA, ACMA, ACPM, MBA in Finance, B.B.Mgt.(Accy) sp

Internal Auditor
Bank of Ceylon
Internal Audit Division
ia@boc.lk | +94 77 313 7777 |
+94 11 220 4970