

HESHAL DISSANAYAKE

DATA SCIENTIST



CONTACT

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- 🌐 <https://portfolio-alpha-opal-88.vercel.app/>

TECHNICAL SKILLS

- **Programming & Query Languages**
 - Python , SQL , R , Java , C++ , JavaScript
- **Data Science & Machine Learning**
 - Data Cleaning & EDA , Feature Engineering , Supervised Learning , NLP , Probability & Statistics
- **Frameworks & Libraries**
 - scikit-learn , pandas , NumPy , FastAPI
- **Data Engineering & Cloud**
 - Docker , Hadoop , AWS , Azure
- **Web & APIs**
 - React , Node.js , Express , JWT
- **Databases**
 - MongoDB , SLQ

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Microsoft Azure Cloud Fundamentals

ADDITIONAL SKILLS

- Adobe Photoshop, Premiere Pro, After Effects, Audition, Ableton, TouchDesigner



PROFILE

Data Science undergraduate specializing in machine learning, data analytics, and production-ready ML systems. Experienced in building and deploying ML models via FastAPI, orchestrating microservices, and integrating data-driven intelligence into full-stack applications. Strong foundation in Python, SQL, cloud platforms, and containerized deployments. Seeking a Data Analyst / Data Scientist / ML Engineer related role.



PROJECTS

Cuisinise | Python, FastAPI, NLP, Machine Learning, React, Node.js, MongoDB, Docker 2025

- Built an agent-based food intelligence platform integrating 6 ML microservices for real-time food discovery and recommendation.
- Designed a FastAPI coordinator to orchestrate parallel model calls based on inferred user intent.
- Integrated LLM-based summarization to aggregate insights from multiple data sources.
- Implemented a MERN backend with JWT authentication and persistent chat storage.

RainCheckAUS | Python, scikit-learn, XGBoost, FastAPI, React, Docker 2025

- Developed a machine learning system to predict rainfall probability for Australian cities using historical weather data.
- Trained and evaluated Logistic Regression and XGBoost models with feature engineering and performance comparison.
- Deployed trained models via a FastAPI inference service and integrated predictions into a full-stack application.
- Containerized the system using Docker Compose for reproducible deployment.

CeylonTopGuide | React, Node.js, Express, MongoDB 2025

- Designed and developed a tourism and travel discovery platform providing curated destination information across Sri Lanka.
- Implemented backend APIs to manage destination data, user interactions, and content retrieval.
- Integrated dynamic data fetching and filtering to improve content discoverability and user experience.
- Deployed a full-stack web application with scalable architecture and persistent data storage.



EDUCATION

Bsc.(Hons) Information Technology Specializing in Data Science 2023 - current

Undergraduate - Sri Lanka Institute of Information Technology (SLIIT)

GPA: 3.66

G.C.E A/L - 2022 2009 - 2022

S.Thomas' College Bandarawela

Physical Science

Results : 3 S Passes