

THISARA ANJANA

AI Engineer | ML Engineer

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Homagama, Colombo District, Sri Lanka

PROFESSIONAL SUMMARY

ICT undergraduate aspiring to work as a Machine Learning Engineer, AI Engineer, and Data Scientist, with practical experience building ML models, conducting statistical and exploratory data analysis, and developing automated and manual testing strategies for software quality assurance. Experienced in leading cross-functional student teams as a project coordinator. Passionate about delivering reliable, data-driven, and well-tested AI/ML solutions through analytical thinking and continuous learning.

EDUCATION

Bachelor of Information and Communication Technology (Hons)

Expected Graduation: 2027

University of Vavuniya, Sri Lanka

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, PHP

Data Science & ML: Scikit-learn, XGBoost, Deep Learning, Model Deployment, Data Preprocessing, Feature Engineering, Model Evaluation, EDA, Hypothesis Testing, Data Visualization

Data Analysis & Databases: Pandas, NumPy, SQL, MySQL, PostgreSQL, ETL Pipelines

Development Tools: Git, GitHub, Jupyter Notebook, VS Code

Software Engineering & Core Concepts: Data Structures & Algorithms, OOP, Software Engineering, System Administration, Problem Solving

EXPERIENCE & PROJECTS

Health Risk Prediction System

Academic Project | Python, Scikit-learn, XGBoost, Pandas | [\[view\]](#)

- A machine learning project to predict diabetes and heart disease risk from patient health data.
- Built and evaluated XGBoost classification models achieving 98.8% and 97.3% accuracy, with feature importance analysis for clinical interpretability.

Music Recommendation System

Personal Project | Python, Pandas, Streamlit, Scikit-learn | [\[view\]](#)

- A content-based music recommendation engine that suggests songs based on user preferences.
- Processed large-scale music metadata and built an interactive Streamlit app delivering real-time personalized recommendations with visual insights.

Wine Quality Prediction System

Personal Project | Python, Flask, Scikit-learn, MLflow | [\[view\]](#)

- An end-to-end ML system to predict wine quality from physicochemical properties.
- Built a modular ML pipeline (ingestion to deployment) and deployed a Flask web app for real-time predictions, with MLflow for experiment tracking.

CERTIFICATES

- Introduction to Data Science — LinkedIn Learning (Apr 2026) [\[verify\]](#)
- Software Design: Modeling with UML — LinkedIn Learning (Feb 2026) [\[verify\]](#)
- Learning Cryptography and Network Security — LinkedIn Learning (Feb 2026) [\[verify\]](#)
- Statistics Foundations 1: The Basics — LinkedIn Learning (Feb 2026) [\[verify\]](#)
- Artificial Intelligence Foundations: Neural Networks — LinkedIn Learning (Feb 2026) [\[verify\]](#)
- Artificial Intelligence Foundations: Machine Learning — LinkedIn Learning (Feb 2026) [\[verify\]](#)
- Prompt Engineering with ChatGPT — LinkedIn Learning (Feb 2026) [\[verify\]](#)
- Python Essentials 1 — Cisco (Nov 2025) [\[verify\]](#)

REFEREES

Mr. V. Senthooran

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