

Thamindu Kulasekara

ARTIFICIAL INTELLIGENCE UNDERGRADUATE



Colombo, Sri Lanka.

+94768633308

thamindusct028@gmail.com

[Linkedin](#)

[Github](#)

Profile Summary

AI Undergraduate passionate about Artificial Intelligence, Machine Learning, and Data Science. Skilled in Python, TensorFlow, and Scikit-learn, with experience in developing predictive models, data analysis, and AI-driven applications. Strong understanding of algorithm design, feature engineering, and data visualization. Experienced in building intelligent systems that combine analytics, automation, and real-world problem-solving. Eager to apply technical and analytical skills to drive data-driven insights and innovation

Education

B.Sc (Hons) in Artificial Intelligence **2023 – present**

University of Moratuwa - CGPA: 3.38 (out of 4.0)

Dharmaraja College, Kandy | Physical Science **2008 - 2022**

- G.C.E. Advanced Level : 1 A pass & 2 B passes in physical science stream (Z Score - 1.636)
- G.C.E. Ordinary Level : 9 A passes.

Technical Skills

- **Languages** – Python, Java, Javascript, C, C++, PHP,Dart
- **AI & ML**– Time-series, Prompt Engineering,OpenCV, TensorFlow, Langchain, Lang Graph
- **Web and Mobile Development** – React, Vite, Material UI, Tailwind CSS, FastAPI, Flutter
- **Database** – MYSQL, MSSQL, MongoDB, Vector Databases(Faiss)
- **Project Management** – ClickUp
- **Tools** – Github, Git, Figma, Cisco Packet Tracer, Google Colab, Jupyter Notebook

Projects

Education Information Management & Decision Support System (Group Project) [Github](#)

- Developed an AI-powered educational platform with modules for academic management, auto-grading using Gemini LLM, behavioral analysis, and predictive insights using ML models.
- Technologies: React, FastAPI, MongoDB, Docker , Gemini LLM, XGBoost, SHAP, Scikit-learn, Linear Regression
- **Research Publications:** Conference:SLAAI-ICAI Paper ID:103 (2025-present)

EdumentorAI-AI based Curriculum Planner & Educational Agents

[Github](#)

- Built a web application with multi-agent AI for personalized study plans, feedback, and question generation using LangChain and Gemini API.
- Technologies: FastAPI, React, Tailwind CSS, LangChain, Gemini API

Programming Helper Agent- AI-Powered Documentation Assistant

[Github](#)

- Developed an intelligent documentation chatbot that dynamically ingests any web documentation to provide contextual Q&A responses.
- Technologies: Python, LangChain, FAISS, Groq LLM, Hugging Face embeddings, RAG

Urban Issue Classifier (Competition)

[Github](#)

- Implemented a computer vision model to classify urban issue images with dataset balancing and anonymization preprocessing.
- Technologies: OpenCV, TensorFlow, Scikit-learn, Pandas, NumPy

Juice App- Juice Selling App

[Github](#)

- Created a mobile e-commerce app for juice ordering with Firebase authentication, real-time database, and secure APIs.
- Technologies: Flutter, Dart, Firebase Authentication, Firebase Realtime Database, REST APIs

Chronix – Active time tracker V2.0.0 (Chrome web extension)

[Live](#)

- Developed a productivity Chrome extension to track real-time tab usage with a modern UI and Manifest V3 APIs.
- Technologies: React, Tailwind CSS, Chrome Extension APIs

Other projects

- Fast Line Follower Robot (Competition)

[Github](#)

- Automatic Dehydrator System(1st year Hardware project)

[Github](#)

Experience

People's Bank -intern

5 months

ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

President Scout, 1st Kandy Dharmaraja Scout Group (2019)

Finalist at Datathon, CODEFEST 2025 organized by the Faculty of Computing, SLIIT.Tea

IES LABS- Member (2025– Present)

IEEE RAS Student Branch- Media & Marketing Committee (2024– Present)

Reference

Prof. Thushari Silva

Department of Computational Mathematics

University of Moratuwa.

Phone - +94 76 878 4572

Email - thusharip@uom.lk

Uvini Matara Arachchi

Senior Business Analyst

Zone 24x7

Email - uvinim@zone24x7.com