

Imesh Rathnayake

Undergraduate | Aspiring Machine Learning Engineer

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Colombo District, Western Province, 10230, LK | 0764102001

Final-year undergraduate at NSBM Green University, Aspiring Machine Learning Engineer with a strong math, algorithms, and Python foundation. Passionate about solving real-world problems through predictive models and AI. Seeking internships/entry-level roles to contribute, learn, and grow in a tech-driven environment.

Education

NSBM Green University

Aug 2022 - Present

Bachelor of Science - BS Computer Science

GPA: 3.8

Thurstan College

Jan 2018 - Nov 2020

GCE Advance Level Physical Mathematics

Passed

Work Experience

Associate IT Executive

Oct 2021 - Nov 2022

eBEYONDS Pvt Ltd | Sri Lanka

- **Configured and managed data collection pipelines** using Google Analytics and Google Tag Manager, enabling comprehensive performance analysis for client websites.
- **Executed technical SEO strategies**, including URL redirection mapping during site rebuilds to preserve link integrity and search rankings.
- **Optimized website visibility and accessibility** by implementing on-page SEO enhancements and standardizing alternate text for assets.

Core Skills

- **Machine Learning & AI:** Scikit-Learn, TensorFlow, Pandas, Jupyter Notebooks, Artificial Neural Networks (ANN), Deep Learning, Regression Analysis, Computer Graphics.
- **Programming Languages:** Python, Java, C, PHP, SQL.
- **Mathematics for ML:** Linear Algebra, Calculus, Numerical Analysis, Applied Mathematics, Derivatives, Probability & Statistics.
- **Development Tools:** Git Version Control, Linux (Ubuntu, Kali).
- **General Tools:** Microsoft Office, Canva, CapCut.
- **Interpersonal Skills:** Collaboration & Teamwork, Effective Communication, Adaptability, Rapid Skill Acquisition, Problem Solving.

Certificates

Building Systems with the ChatGPT API	Dec 2025
DeepLearning.AI	
Calculus for Machine Learning and Data Science	Dec 2025
Deep Learning AI	
Linear Algebra for Machine Learning and Data Science	Dec 2025
Deep Learning AI	
Probability & Statistics for Machine Learning & Data Science	Ongoing
Deep Learning AI	
Foundation For Cybersecurity	Dec 2025
Google	
Introduction to Git and GitHub	Dec 2025
Google	

Projects

End-to-End California Housing Price Prediction Model	Dec 2025
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Project Overview:

Built a Machine Learning model to predict median house values in Californian districts using the 1990 California census dataset. This project was completed as part of the curriculum in "**Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow**" (3rd Ed).

GitHub: <https://github.com/IAU-Rathnayake/AI-and-Machine-learning>

AI Chatbot with GitHub Models (Python)	Dec 2025
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Project Overview:

This project demonstrates how to build an interactive AI chatbot using Python, Jupyter Notebooks, and the GitHub Models marketplace (via Azure AI).

It utilizes the OpenAI Python SDK to communicate with models like gpt-4o (You can use any models), maintaining conversation history for a natural chat experience.

GitHub: <https://github.com/IAU-Rathnayake/Chatbot>