

MADHUKA ABHISHEK

Undergraduate Software Engineering Student

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SUMMARY

Curious, and detail-oriented ML NLP and AI Enthusiast currently pursuing a degree in Software Engineering with hands on experience in text classification, image classification and model deployment. Passionate about LLM workflows, backend systems, and task automation. Excited to work on real world ML applications.

PROJECTS

Career Email Generation Tool

2025 – Present

Built an automated system with Streamlit and LLMs to generate personalized cold emails by combining job postings with GitHub repositories.

- Automated professional email drafting
- Integrated job scraping with repo analysis
- Improved outreach with tailored, job specific emails.

[Project Link](#)

Fashion Designer Chatbot – EESAMO

2025 – Present

Built an AI-powered chatbot for fashion designers using Streamlit and FastAPI to handle client inquiries with a stylish, interactive UI and customizable logic

- Created an elegant, animated chat interface
- Integrated FastAPI backend for efficient classification.
- Designed extensible architecture for ML/NLP integration.
- Used a hybrid classification technique to classify users' intents.

[Project Link](#)

Tomato Disease Classification

2025 – Present

Built a CNN based model to detect tomato leaf diseases with high accuracy, packaged for easy training and deployment.

- Reached ~95% test accuracy.
- Designed modular repo for model training and API use
- Applied deep learning to a real world agriculture problem.

[Project Link](#)

Portfolio Website Deployment

2024 – Present

Built and deployed a responsive portfolio site for a fashion design client using modern frontend tech and Vercel

- Delivered a visually engaging, accessible portfolio.
- Improved client's professional presence and outreach.
- Streamlined contact and project showcase online.

[Project Link](#)

EDUCATION

Bachelor of Software Engineering(Hons)

Nov 2022 – Present

Open University of Sri Lanka

- Major in Software Engineering – Data Science/ ML

ALs / OLs

Jan 2011 – Aug 2019

Bandaranayake Central College Veyangoda

SKILLS

Area of Expertise

- Machine Learning
- Deep Learning
- NLP
- Computer Vision
- OOP
- Data Science
- LLMs
- Frontend/ Backend
- Git
- Vector Databases
- Databases

Programming Skills

- Python
- SQL
- Numpy
- Pandas
- Scikit-Learn
- PyTorch
- Tensorflow
- OpenAI/Groq API
- Keras
- Jupyter
- FastAPI
- RestAPI
- Seaborn
- Matplotlib
- OpenCV
- GCP
- Huggingface
- Langchain
- Object Detection
- Streamlit
- VectorDB
- React
- Typescript
- Tailwind

CERTIFICATIONS

- Machine Learning with Python: Foundations**

LinkedIn Learning

March 2025
- NumPy Essential Training: 1 Foundations of NumPy**

LinkedIn Learning

March 2025
- Getting Started with Python**

LinkedIn Learning

December 2023
- Programming Foundations: Data Structures (2023)**

LinkedIn Learning

December 2023
- Python Object-Oriented Programming**

LinkedIn Learning

December 2023

LANGUAGES

English • Fluent **Sinhala** • Native

FIND ME ONLINE

- LinkedIn**

[Madhuka Abhishek Wijesundara](#)
- Github**

[dextermadh](#)
- Personal Portfolio Website**

[Madhuka Abhishek](#)

References available upon request.