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   2025 – Present

Built and deployed a responsive portfolio site for a fashion-design client using modern front-end 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)   Jan 2019 – Feb 2021

Open University of Sri Lanka

- Major in Software Engineering - Data Science/ ML.
- GPA: 3.36

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   March 2025
LinkedIn Learning

NumPy Essential Training: 1 Foundations of NumPy   March 2025
LinkedIn Learning

Getting Started with Python   December 2023
LinkedIn Learning

Programming Foundations: Data Structures (2023)   December 2023
LinkedIn Learning

Python Object-Oriented Programming   December 2023
LinkedIn Learning

LANGUAGES

English • Fluent   **Sinahala** • Native

FIND ME ONLINE

LinkedIn   Madhuka Abhishek Wijesundara

Github   dextermadh

Personal Portfolio Website   Madhuka Abhishek

References available upon request.