

MADHUKA ABHISHEK WIJSEUNDARA

SOFTWARE ENGINEER UNDERGRADUATE

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

TECHNICAL SKILLS

- **Area of Expertise:** Machine Learning, NLP, Computer Vision, Data Science, LLMs, Frontend/Backend Development, Git, OOP
- **Programming Languages:** Python, SQL
- **Python Libraries:** Numpy, Pandas, Scikit-Learn, PyTorch, Tensorflow, Keras, Jupyter, FastAPI, RestAPI, Seaborn, Matplotlib, spaCy, OpenCV, Huggingface, Langchain, Groq, Streamlit
- **NLP Skills:** Tokenization, Named Entity Recognition (NER), Text Classification, Embedding Extraction, Vectorization, Intent Classification, hybrid classification (using LLMs)

PERSONAL PROJECTS

- **Log Classification System:** Developed a hybrid system using regular expressions for rule-based filtering, BERT for semantic embedding, and configured DeepSeek R1 LLM for context-aware log classification.
- **Hybrid Intent Classification chatbot:** Developed a hybrid intent classification system using SVC(CalibratedClassifierCV) and DeepSeek R1 LLM. Build the server using FastAPI and the front end using Streamlit .
- **Preprocessed and modeled large text datasets** for mini projects and study work.
- **Developed a Face Mask Detection Model.** Using SSD MobileNet V2 FPNLite 640x640 and OpenCV that processed live webcam streams with real time feedback.
- **Developed a Tomato Disease Classification FastAPI Server.** Using CNNs and OpenCV for disease detection
- **Deployed a portfolio website for a client** - <https://ashirafernando.vercel.app/>

GITHUB PROFILE

[dextermadh](#)

WEBSITE

madhukaabhishek.vercel.app

EDUCATION

Bachelor of Software Engineering(Hons)

Open University of Sri Lanka

- Major in Software Engineering

NOV 2022 - DEC 2026

SKILLS

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|-------------------|-------------------|----------------|
| • Communication | • Time Management | • Adaptability |
| • Problem Solving | • Teamwork | • Leadership |

ADDITIONAL INFORMATION

- **Languages:** English, Sinhala
- **LinkedIn:** [Madhuka Abhishek Wijesundara](#)