

CV

Ahamed Dhahlan

Contact Information

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Summary

Highly skilled data scientist and machine learning engineer with a strong focus on transformers and LangChain agentic models. Proven expertise in developing and deploying advanced natural language processing (NLP) solutions using frameworks like PyTorch, Hugging Face Transformers, and LangChain. Proficient in Python, R, and SQL, with hands-on experience in building end-to-end machine learning pipelines, predictive modeling, and data-driven decision-making. Adept at delivering scalable solutions that drive innovation and enhance user engagement.

Education

- **Bachelor of Science in Engineering (Honors) - Electrical and Information Engineering** 2021 - 2025
University of Ruhuna, Sri Lanka
Galle, Sri Lanka
- **GCE Advanced Level and GCE Ordinary Level** 2017 - 2019
Zahira College, Kalmunai
Kalmunai, Sri Lanka

Experience

- **Software Engineer Intern** Paralegal.lk, Sep 2024 - Present
Hybrid
 - Integrated payment solutions into the website using PayHere services and React, enhancing transaction capabilities.
 - Conducted network analysis of legal case citations, significantly improving the websites search engine efficiency by 200
 - Collaborated on diverse web development tasks, emphasizing front-end functionality and optimizing user experience.
- **Electrical and Information Engineer Intern** Mahaweli Authority of Sri Lanka, Aug 2023 - Jan 2024
Victoria, Sri Lanka
 - Led the design and implementation of a real-time dam simulation system for the Victoria Dam Control Room and Observation Platform.
 - Implemented a Dam Gate opening prediction app.

Projects

- **Singlish GPT: Language Model for Sinhala in English Letters** July 2024
Developed a GPT model for Singlish text processing and generation using mT5, achieving 92% accuracy in text generation tasks.
 - Technology Used: Python, Hugging Face, transformers, PyTorch, Aksharamukha, Google Gemma

- **DeChatIn: AI-Powered Chatbot for Conversational and Voice Interactions** January 2025
Developed an AI-driven chatbot application with voice conversation capabilities, enabling natural, human-like interactions and seamless switching between speech modes.
 - Technology Used: Python, Streamlit, Google Gemma, Huggingface Transformers, Google Text-to-Speech (TTS), Natural Language Processing, Generative AI

Skills

- **Programming Languages:** Python, JavaScript, C, C++
- **Data Science/ML Libraries:** TensorFlow, PyTorch, scikit-learn, NumPy, Pandas
- **Machine Learning Skills:** NLP, Computer Vision, Model Training, Hyperparameter Tuning
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Django
- **Databases:** MySQL, MongoDB
- **Development Tools:** Git, VSCode, Jupyter Notebook
- **Soft Skills:** Problem Solving, Self-Learning, Presentation, Adaptability, Critical Thinking

Certificates

- Certificate in Introduction to Web Development with HTML, CSS, JavaScript
- Certificate in Introduction to Cloud Computing
- Certificate in Introduction to Deep Learning & Neural Networks with Keras
- Certificate in Machine Learning with Python
- Certificate in Python for Data Analysis: Pandas & NumPy
- edX Verified Certificate for Data Science: Machine Learning
- Certificate in SystemVerilog for ASIC/FPGA Design & Simulation

Achievements

- Participant, Commercial Bank Hackathon, Commercial Bank, June 2024
- 2nd Runners up, Haxtreme 2.0, IEEE Society, November 2023
- Top 10%, AWS Deep Racer, AWS, August 2023