KAUNG KHANT KYAW

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Results-driven Computer Science software developer specializing in machine learning and deep learning. Proficient in Python backend development with hands-on experience building web development projects. Seeking opportunities to leverage my technical foundation in artificial intelligence with my expertise in Python stack. Committed to continuous learning and staying at the forefront of emerging technologies in machine learning and software development.

EXPERIENCE

Backend Developer (Part-time)   **Feb 2025 - May 2025**
IM impower Co.Ltd   Bangkok, Thailand

- Developed a no-code survey system with a Python (FastAPI) backend and React + Tailwind CSS frontend, enabling users to create, manage, and deploy surveys. The system supports dynamic form generation, real-time response collection, and customizable UI components.

Data Scientist(Summer Internship)   **Apr 2024 - Jul 2024**
Ringzero IT services Co.Ltd   Bangkok, Thailand

- Collaborated with the data team to develop a machine learning-driven demand forecasting system for inventory optimization.
- Achieved a 94% forecasting accuracy on the client's dataset by implementing and fine-tuning the MOIRAI time series transformer model.
- Responsibilities included temporal feature engineering, sequence-to-sequence data preparation, and hyperparameter optimization to enhance model generalization and performance.

Junior Machine Learning Engineer(Remote)   **Apr 2022 - Jun 2022**
Omdena

- Participated in an Omdena local chapter project, where I performed data wrangling tasks and contributed actively to the team through annotations on the project's dataset and helped build an object classifier for identifying fabric quality.

EDUCATION

Bachelor of Computer Science in Knowledge Engineering   **Dec 2017 - July 2024**
University of Information Technology (Yangon, Myanmar)   **GPA - 3.89**

QUALIFICATION

- **CS50x -Introduction to CS by Harvard**
- **Deeplearning specialization - Deeplearning.ai**
- **Tensorflow advanced Techniques - Deeplearning.ai**

PROJECTS

Background Extractor - Python + OpenCV

An image and video processing application that automatically removes backgrounds from visual content in real-time. Built using computer vision libraries including OpenCV and MediaPipe, with a user-friendly interface powered by Streamlit.

Key Features:
- Real-time background removal for live video feeds
- Static image background extraction
- Interactive web-based interface for easy user interaction
- Support for multiple input formats (images and video)

Bryle - RAG chatbot - Python + Langchain + Streamlit

Bryle is a conversational AI system that combines Large Language Model (LLM) capabilities with Retrieval-Augmented Generation (RAG) and web scraping functionalities. Built with modern AI technologies and deployed on Streamlit, this chatbot goes beyond traditional question-answering by actively retrieving and processing web content to enhance its responses.

Key Features:
- Dynamic web scraping capabilities for real-time information retrieval
- Integration with OpenAI's language models for natural conversation
- RAG architecture enabling context-aware and accurate responses
- User-friendly interface powered by Streamlit

Mini-Bookmark - Python Stack + Telegram API + MongoDB

A versatile dual-interface Bookmark Manager that integrates a web application with a Telegram bot. This Python-based solution enables users to manage their bookmarks through either a traditional web interface or a Telegram bot, offering flexibility in how users interact with their saved content. (Inspired by Readwise web application)

Key Technical Features:
- Full-stack implementation using Python 3.7+, Flask, and MongoDB
- Secure authentication system with cross-platform login compatibility
- Content extraction and processing capabilities for saved URLs
- RESTful API architecture supporting both web and Telegram interfaces
- Automated text file generation for offline content access