HEIN HTET @ JEREMY

+66 994391816 | heinhtet.1405@gmail.com

Results-oriented Machine Learning Engineer with 2+ years of experience building and deploying AI solutions within AWS cloud environments. Expertise in Computer Vision and LLMs, including fine-tuning, training, and deploying models like GPT, BERT, and LLaMA. Proficient in guiding and implementing Deep Learning frameworks such as TensorFlow and PyTorch to develop and optimize machine learning models using Python. Proven ability to leverage Machine Learning techniques for Textual, Voice, and Vision analytics. Skilled in MLOps practices using Docker. Passionate about solving real-world problems through cutting-edge technologies and eager to contribute to an innovative and collaborative team.

SKILLS

Technical Skills: Python, TensorFlow, PyTorch, Hugging Face, LLMs (GPT, BERT, LLaMA), MLOps, Docker, AWS, C/C++, Computer Vision (Object Detection, Object Classification, Object Tracking), NLP, GAN, Diffusion Models, OpenCV, SLAM, Linear Algebra, Statistics, Probability, Communication Skills, Team Leadership, Research, Problem-Solving, GPT, BERT, LLaMA, LLM Fine-tuning, LLM Training, LLM Deployment, C, C++, Computer Vision, Object Detection, Object Classification, Object Tracking, Deep Learning Frameworks, Machine Learning, Textual Analytics, Voice Analytics, Vision Analytics, Guiding, Building

Soft Skills: Communication Skills, Team Leadership, Research, Problem-Solving

EXPERIENCE

Student Researcher, *Singapore University of Technology and Design* June 2024 - (SUTD) **Present**

- Benchmarked LLMs (OpenAI, Llama3, Mistral, Gemini AI) for Qualitative Analysis applications using Ollama and LLM Studio.

Student Researcher, *Singapore Panasonic Research Lab* **Oct 2023 - Present**

- Led the ORB-SLAM refactoring project, utilizing C/C++ to optimize SLAM algorithms, OpenCV integration, and Sparse Bundle Adjustment algorithms.
- Applied linear and non-linear optimization techniques to improve SLAM performance.

Research Assistant, *KMUTT Deep Learning Lab* **Sept 2022 - Present**

- Focused on Voice Conversion, GAN, NLP algorithms, Computer Vision, Diffusion Models, and Graph Convolution Networks, contributing to MLOps practices.
- Collaborated on Deep Learning research with the National Science and Technology Development Agency (NSTDA).
- Served as a Teacher Assistant for a Deep Learning Bootcamp, facilitating learning and practical application of concepts.

Junior Software Developer, *SSP Ventures Myanmar* **Nov 2021 - Jan 2022**

- Developed, researched, and implemented code using the Odoo framework, Git, and AWS cloud services.

EDUCATION

Electronic and Infocommunication Engineering (Year 3), *King Mongkuts University of Technology Thonburi (KMUTT)* **2022 - Present**
Thailand

Electronics Engineering, *WEST YANGON TECHNOLOGICAL UNIVERSITY* **2015-2020**
Yangon

PROJECTS

ORBSLAM Refactoring

Refactored and optimized ORB-SLAM algorithms using C/C++ and OpenCV, improving performance and maintainability.

Technologies: C/C++, OpenCV, SLAM

Voice Conversion For Alaryngeal Speakers using WavLM, KNN VC

Developed a voice conversion system for alaryngeal speakers using WavLM and KNN VC, improving communication accessibility.

Technologies: WavLM, KNN VC, Python

Burmese GPT using Llama2 Model and WordPiece BPE Tokenizer

Built a Burmese GPT model using Llama2 and WordPiece BPE Tokenizer, enabling natural language processing in Burmese.

Technologies: Llama2, WordPiece BPE, Python