SAUNG HNIN PHYU

FRESH GRADUATE IN ROBOTICS AND AI ENGINEERING | DATA SCIENTIST

CONTACT

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LinkedIn, Portfolio, Github

EDUCATION

AUGUST 2021 - APRIL 2025

KING MONGKUT'S INSTITUTE OF TECHNOLOGY, LADKRABANG

- Bachelor of Engineering
  - GPA: 3.75 out of 4
  - First Class of Honors

SKILLS

Technical Skills

- Python, C, C#
- Minitab, SQL, R
- Ubuntu, Linux
- Pandas, NumPy, Seaborn, TensorFlow, PyTorch
- Microsoft Office Suite

Soft Skills

- Adaptability
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

LANGUAGES

- English (Fluent)
  - IELTS: Overall Band 7
- Burmese (Native)
- Japanese (Intermediate)
  - JLPT: N4

PROFILE

Highly motivated and detail-oriented fresh graduate in Robotics and AI Engineering with a strong foundation in artificial intelligence, machine learning, and data science. Committed to working as a collaborative and positive team member, striving to utilize my knowledge and expertise for optimal engineering results.

WORK EXPERIENCE

- **Listening247, London, United Kingdom** JULY 2024 - PRESENT

  Data Scientist (February 2025 - Present))

  - Annotated and performed precision checks on unlabeled datasets using AI-assisted tools, ensuring high-quality input for model training.
  - Preprocessed and analyzed large-scale text datasets, maintaining data consistency and accuracy throughout the pipeline.
  - Conducted annotation quality checks, calculated accuracy metrics, and improved labeling standards through systematic error analysis.
  - Worked on sentiment modeling, topic modeling, and classification tasks involving both labeled and unlabeled data.

  Data Scientist Intern (July 2024 - January 2025)

  - Annotate unlabeled data with AI tool, precision check
  - Preprocessed and analyzed large text datasets to ensure high-quality input for model training,
  - Sentiment modeling, topic modeling and working with unlabeled data

- **Vast Hive, Faroe Islands, Denmark** MAY 2024 - OCTOBER 2024

  Machine Learning Engineer Intern

  - Developed and optimized NLP Models by utilizing frameworks such as TensorFlow, PyTorch,
  - Preprocessed and analyzed large text datasets to ensure high-quality input for model training,
  - Train parallel data for machine translation
  - Developed Danish to English translation model

- **King Mongkut's Institute of Technology, Ladkrabang, Bangkok, Thailand** AUGUST 2022 - APRIL 2024

  Teaching Assistant (July 2023 - April 2024)

  - Guided students through practical projects involving the programming languages,
  - Evaluated student projects and provided feedback to help improve their design and implementation skills.

  Public Relations (August 2022 - June 2023)

  - Assisted office head with daily operations and admin tasks for smooth departmental function.
  - Managed scholarship work hours, coordinating schedules and maintaining records.
  - Supported admissions by assisting interview panels and organizing interviewee data in Excel for efficient reporting.

- **Tokai University, Tokyo, Japan** MAY 2023 - JULY 2023

  Game Research and Developer

  - Acquired proficiency in C# and Unity through structured learning and hands-on practice.
  - Designed and developed a game using C# and Unity.

CERTIFICATIONS

- **Supervised Machine Learning: Regression and Classification** — DeepLearning.AI on Coursera
  - Built foundational skills in supervised learning, linear/logistic regression, and gradient descent
  - Learned to apply regularization to prevent overfitting
- **Ask Questions to Make Data-Driven Decisions** — Grow with Google on Coursera
  - Gained skills in analytical thinking and decision-making using data
  - Practiced using spreadsheets for data analysis and problem solving
- **Foundations: Data, Data, Everywhere** — Grow with Google on Coursera
  - Developed core data analysis skills including cleaning, visualization, and basic SQL
  - Explored the data lifecycle and principles of effective data communication
- **Prepare Data for Exploration** — Grow with Google on Coursera
  - Learned data collection methods, data ethics, and metadata usage
  - Used spreadsheets and SQL to prepare datasets for analysis
- **AWS Academy Cloud Foundations** — Amazon Web Services
  - Covered AWS core services, architecture, pricing, and support models
  - Built foundational cloud computing knowledge for further AWS certifications

PROJECTS

- **Smart Inventory System with AI Powered Chatbot**

  This is our final year project which we developed for the Robotics and AI Engineering Department, built with React.js, TypeScript, NestJS, GraphQL, and PostgreSQL. As for my part, I designed and developed the AI-powered RAIOne LINE chatbot using Python and Ollama. My work included integrating it with LINE, enabling real-time inventory queries and secure JWT-based user authentication.

- **Danish - English Machine Translation Model**

  This project was done when I was an intern at VastHive. This project explores various neural machine translation (NMT) approaches for translating Danish text into English. Using different frameworks and models, I experimented with both Transformer and LSTM architectures to optimize translation accuracy and efficiency. While some approaches demonstrated high accuracy, others highlighted challenges in tuning and computational demands.

- **Credit Card Fraud Detection**

  This project was done during my self-learning in machine learning using a Kaggle dataset. It focuses on detecting fraudulent credit card transactions through data preprocessing, feature selection, and classification modeling. Using Python, I explored various algorithms to improve detection accuracy and handle class imbalance challenges.

- **Myanmar Trip Advisory Chatbot**

  This project was developed as part of my second-year AI technology coursework. Using Dialogflow, I integrated the Myanmar trip advisory chatbot into a Facebook Page Messenger, offering pop-up features for user travel preferences, destination recommendations, and common queries. The chatbot is designed to be user-friendly, enhanced with images to improve engagement and provide a more interactive experience.

- **Shopping List Management Application**

  This project was developed as part of Introduction to Algorithms coursework. Using Python, I created a shopping list application that allows users to add and remove items, as well as calculate the total cost. The application is designed to efficiently manage and manipulate data, providing a simple and intuitive interface for users to track their shopping lists.