

Watin Promfiy

DATA SCIENCE / AI ENGINEER

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🕒 E27-25

PROFESSIONAL PROFILE

AI Engineer & Data Scientist with advanced expertise in Deep Learning, Large Language Models (LLMs), and Autonomous Agentic Systems. I specialize in incremental regression, tabular data analysis, and model fine-tuning. My track record includes architecting multi-agent workflows, winning national hackathons with novel solutions (Knowledge Graphs, Zero-shot Detection), and applying AI to financial and industrial sectors. I am seeking to lead groundbreaking research and implement incremental learning techniques that continuously adapt to new data.

EDUCATION

B.Sc. Information Technology - Data Science and Business Analytics

King Mongkut's Institute of Technology Ladkrabang (KMITL) | GPA: 3.87 | 2023 - Present

EXPERIENCE

AI Engineer (Part-Time) at Bot and Life | July 2025 - Present

- **Multi-Agent Platform:** Engineered a **Product Banner Generation Platform**, designing a sophisticated pipeline where specialized AI agents collaborate to automate marketing asset creation.
- **Agentic Workflow Design:** Implemented **Prompt Engineering** strategies within autonomous agents to contextually expand user inputs and optimize content generation.

Teaching Assistant (Super AI Engineer Season 5) at AIAT | April 2025 - July 2025

- **Mentorship & Instruction:** Conducted daily technical sessions on **LANTA, LLM Inference**, and Fine-tuning methodologies (LoRA/QLoRA), guiding students through complex model architectures.
- **Technical Consultation:** Provided debugging support for Python-based AI implementation and led paper reading sessions to deconstruct state-of-the-art research.

LLM & Prompt Engineer Intern at Bot and Life | November 2024 - February 2025

- **System Architecture:** Architected an AI task management system using **LLMs** with **Memory capabilities** to retain long-term conversational context.
- **Optimization:** Developed robust prompt frameworks to minimize hallucination and enforce output structure compliance.

Data Science Intern (Apprentice Program) at KBTG (K-LAB) | July 2024 - December 2024

- **Solar Energy Optimization:** Developed a deep learning model using **PyTorch** and **Satellite Imagery Analysis** to calculate roof surface area and predict solar potential.
- **Real Estate Intelligence:** Engineered a "Condo Similarity Suggestion" engine using **Geospatial Data** and **Deep Learning** to enhance property valuation accuracy.

CERTIFICATIONS & NATIONAL AWARDS

Winner: BDI Hackathon - AI and Data Innovation for Smart Tourism 2025 (BDI, CMU)

- **Skill Applied:** Developed a travel recommendation system utilizing **Knowledge Graphs** to map complex relationships between user preferences and tourism destinations.
- **Royal Recognition:** Earned the **Royal Cup from Her Royal Highness Princess Maha Chakri Sirindhorn** for the highest-scoring innovation.
- **Impact:** Revolutionized the Chiang Mai tourism experience by generating highly personalized itineraries, directly promoting local cultural heritage and optimizing visitor engagement.

Winner: ExxonMobil Bootcathon 2025 (ExxonMobil)

- **Skill Applied:** Engineered an **Agentic Workflow using n8n** to enable conversational interactions with complex datasets.
- **Impact:** Created a GenAI application allowing natural language querying (Text-to-PandasQuery) of data, democratizing data access for non-technical users.

Winner: Krungsri UniVerse x KMITL Hackathon - Mule Hunt Challenge 2025 (Krungsri, KMITL)

- **Skill Applied:** Developed a "Mule Hunt" system using **Web Crawling** to trace the origins of mule accounts and **Graph Visualization** to map buying/selling networks on Facebook.
- **Impact:** Integrated a **Knowledge Graph** with an **LLM interface**, allowing investigators to visualize high-risk links and query complex fraud patterns via natural language chat.

2nd Runner-Up: Huawei ICT Competition 2025 - Cloud Track (Huawei Cloud)

- **Skill Applied:** Demonstrated advanced technical mastery of **Cloud Services** and **Huawei Cloud AI/LLM** technologies through rigorous competitive examinations.
- **Impact:** Secured a Top 3 national placement by achieving high scores in complex problem sets covering cloud deployment strategies and theoretical AI/LLM concepts.

Silver Medal: Super AI Engineer Season 4 (AIAT)

- **Impact:** Awarded for delivering high-impact solutions in Computer Vision (Solar Potential) and Predictive Modeling (Real Estate) during the KBTG internship.

TECHNICAL SKILLS

- **AI & GenAI:** LLM Fine-tuning (LoRA/QLoRA), RAG, Multi-Agent Systems, Diffusion Models, n8n.
- **Deep Learning:** Transformers (BERT, GPT), CNNs, RNNs, Knowledge Graphs, Zero-shot Learning.
- **Data Science:** Incremental Regression, Tabular Data Analysis, Statistical Modeling.
- **Stack:** Python, PyTorch, TensorFlow, LangChain, SQL, Huawei Cloud/AWS.

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