

# Keetaphat Sripinta

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## EDUCATION

### King Mongkut's Institute of Technology Ladkrabang (KMITL)

2022 – Present

Bachelor of Science in Data Science and Business Analytics, Major Electives in Data Engineering  
Cumulative GPA: 3.81/4.0

## EXPERIENCE

### Data Scientist (Internship) | AXONS

Aug 2025 – Sep 2025

Worked with the AI/ML Sales Team to support data-driven decisions for Charoen Pokphand Group's retail businesses.

- Built demand forecasting and inventory optimization models
- Developed a Purchasing Advisor to assist procurement planning

### Hackathon Participant | Artificial Intelligence Association of Thailand (AIAT)

May 2025 – Present

#### Super AI Engineer Development program Season 5 Hackathon (Team)

- **Winner** – Dominant wave analysis Hackathon (Signal Processing & IOT)
- **Winner** – Bias Correction GSMap Hackathon (Data Science)
- **First Runner-up** – Demand Forecasting Hackathon (Time Series)
- **Second Runner-up** – Sales and Demand Forecasting Hackathon (Data Science)
- **Second Runner-up** – Audio Understanding Hackathon (Signal Processing & NLP)
- **Second Runner-up** – Liver Fibrosis Severity Prediction Hackathon (Image Processing)

### AI Teaching Assistant Chatbot | Senior Project (IT, KMITL)

Nov 2024 – Present

Built an AI teaching assistant using LLMs (Agentic RAG, Router LLM) with real-time Q&A and adaptive responses. Integrated multimodal inputs (text, images, videos) from PDFs, OCR, and ASR. Indexed content with Gemini, Qwen, and stored in a vector DB using hybrid search (BM25 + semantic). Deployed on cloud.

### Machine Learning Projects

Feb 2024 – Oct 2024

Worked on classification, behavior prediction, and computer vision projects, including a credit scoring model, a customer purchase predictor, and a cloud-deployed CNN system for milk yield prediction.

### Data Warehousing Project

Oct 2024

Built a data warehouse and ETL pipelines using Pentaho, with Power BI dashboards for e-commerce analytics.

### Data Visualization Project

Mar 2024

Analyzed Bangkok transport data and created dashboards using Power BI and Tableau to identify inefficiencies and recommend solutions.

### Web Application Project

Nov 2023

Built a full-stack web app with HTML, CSS, Tailwind, JavaScript, and PHP. Designed MySQL database schema and implemented frontend/backend logic for real-time ticket booking.

### Teaching Assistant | KMITL

Jul 2024 – Mar 2025

Assisted in delivering hands-on learning for core technical courses.

- **Data Structures & Algorithms**: Supported students with problem-solving and coding practices
- **NoSQL**: Guided students through implementation and querying of non-relational databases

### Math tutor

Apr 2024 – Oct 2024

Tutored students in O-NET and entrance exam mathematics, creating practice problems and mock exams to reinforce concepts.

## SKILLS, ACTIVITIES & INTERESTS

### Technical Skills:

- **Programming Languages**: SQL, Power BI, Tableau, Python (Pandas, Polar, Scikit-learn, Matplotlib, Seaborn etc.)
- **Data Science**: EDA, Data Manipulation, Data Visualization, Feature Engineering, Machine Learning, Deep learning
- **High Performance Computing (HPC)** : LANTA, DGX
- **Software**: Microsoft Office Suite, Google Suite, Adobe Creative Suite, Canva, Figma

### Soft Skills:

- Communication
- Teamwork
- Leadership
- Problem-solving
- Critical Thinking
- Adaptability

### Language:

- Thai – Native
- English – Intermediate

### Activities:

- **Unite Camp (KMITL)** – Staff : Served as a medical staff member, ensuring student and staff well-being, handling emergency situations, and providing first aid.
- **IT3K (KMITL)** – Staff : Organized welfare and logistics for an inter-university IT networking event, ensuring smooth event operations.
- **ToBeIT'67 (KMITL)** – Staff : Led high school participants in an IT learning camp as a senior mentor, inspiring the next generation of IT students.

### Interests:

- Participating in hackathons and workshops related to AI, Data Science and Machine Learning.