

Jaronchai Dilokkalayakul

Data Engineer, Engineering Student

✉ di.jaronchai_st@tni.ac.th 📞 +66824277813 📍 Jaronchai.com 🌐 Jaronchai 👤 he/him

EXPERIENCE

Data Engineer, IBM [↗](#) June 2023 – present

- Developed and deployed a domain-specific, fine-tuned customer service chatbot using Large Language Models (LLM) from extensive industry-specific data to optimize call center services for a leading bank in Thailand.
- Successfully executed an enterprise-scale data migration project for the banking industry, leveraging a robust awk-based framework, resulting in minimal downtime and allowing the bank to serve customers more efficiently
- Utilized advanced prompt engineering techniques to fine-tune an LLM model, elevating it to an advanced API for seamless information extraction and formatting. This transformation led to accelerated decision-making processes.
- Demonstrated excellence by participating in the IBM WatsonX Challenge 2023, implementing a WatsonX Assistant, revolutionizing the customer service process, and contributing to enhanced service delivery.

Junior AI Researcher, Thai-Nichi International College [↗](#) November 2022 – April 2023

- Designed and developed an image processing machine-learning iOS app within the Data Science and AI Laboratory.
- Developed and fine-tuned various neural network models, resulting in a 20% increase in application accuracy.
- Seamlessly integrated Keras neural network models into the native iOS development environment using CoreML.
- Conducted testing and simulation of various architectures within the application, enhancing model robustness.

Computer Laboratory Assistant, Thai-Nichi International College [↗](#) March 2021 – April 2023

- Designed and executed hands-on IoT and Programming lab stations within the Digital Engineering Laboratory
- Maintained the optimal functionality of laboratory stations, ensuring uninterrupted access for over 300 students.
- Demonstrated subject matter expertise in IoT, offering comprehensive guidance and practical technology exposure.

Teaching Assistant, Thai-Nichi International College [↗](#) November 2021 – March 2022

- Collaborated with the instructor to deliver course content effectively for the Engineering Mechanical Design course
- Demonstrated proactive involvement by designing and administering assignments that encouraged active learning.
- Orchestrated the operation of the lab's 3D printer, optimizing its utilization and providing technical assistance.

EDUCATION

Digital Engineering (B.Eng.), Thai-Nichi International College [↗](#) July 2020 – March 2024

- 3.95 / 4.00 GPA | First-ranked student in the program and full scholarship holder (covering 100% of tuition fees)
- International Student Council (ISC) active contribution and demonstrated leadership through volunteer work
- Department Representative, impactful community outreach initiatives in collaboration with professors and faculty.
- An active participating member of the Sakura Science Club of the Japan Science and Technology Institute.

AWARDS

Certificate of Academic Excellence in 2020 and 2021, Thai-Nichi International College

In recognition of outstanding academic performance, achieving the highest GPA in the program in 2020 and 2021

SKILLS

Technical Skills (Data Engineering, Machine Learning, Data Analytics, Python, R-Programming, Artificial Neural Networks, TensorFlow, Keras, Scikit-Learn, CoreML, Data Visualization Libraries, Cloud Computing and Architecture)

Managerial Skills (Software Development Lifecycle, Waterfall Model, Agile Methodologies, Gantt Chart, Kanban)

Soft Skills (Organization, Consulting, Time management, Creativity, Communication, Teamwork, Collaboration)

Life Skills (Productivity Optimization, Digital Illustration, Fingerstyle Guitar, Marathon Running)

CERTIFICATES

Enterprise Design Thinking Co-Creator [↗](#) (IBM) | **Cloud Digital Leader** [↗](#) (Google) | **Cloud Core** [↗](#) (IBM)

IBM Garage Essentials [↗](#) (IBM) | **IBM Applied AI Professional** [↗](#) (IBM) | **Notion Setting & Sharing** [↗](#) (Notion)

Oracle Cloud Infrastructure Certified Associate [↗](#) (Oracle) | **IELTS** [↗](#) (Overall 7.5) | **View All** [↗](#)