

Pawarit Thareechan

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Data Scientist | Machine Learning Engineer

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EXPERIENCE

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| Avalant Co. Ltd. <i>Data Scientist</i> | Apr 2023 – Present 2 years 1 month |
| Built deep learning models for failure prediction in wind turbines using time-series data. Implemented a scalable data lakehouse pipeline with Apache Spark, Apache Iceberg, Superset, Min.io, and Apache Airflow. Developed Python tools to support employee performance and feedback analytics. Built RAG (Retrieval-Augmented Generation) chatbot with knowledge base using Dify and Milvus vector database. | |
| Looloo Technology <i>Machine Learning Engineer</i> | Aug 2021 – Mar 2023 1 year 7 months |
| Built ML solutions for car finance pricing, symptom classification, and speech-to-animation generation. Used TensorFlow, EfficientNet, OpenCV, and scikit-learn to deliver models for image, text, and audio domains. Applied spaCy and clustering techniques to extract healthcare-related patterns from unstructured text. | |
| iCONEXT Co., Ltd. <i>Software Engineer (Internship)</i> | Apr 2018 – Jul 2018 3 months |
| Created a chatbot in C# to automate meeting room booking via Line messaging. Developed a sales reporting system to automate weekly database reports and streamline analysis. | |

ACCOMPLISHMENTS

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| Health Data Science Hackathon by BDMS – Winner, THB 10,000 prize Built a healthcare prediction model and visualized insights to support diagnosis and resource planning | 2021 |
| Teaching Assistant – Computer Engineering Assisted in undergraduate courses: Data Structures and Algorithms, Machine Learning | 2021 |
| Senior Project – Variable Selection via AUC Optimization Built a feature selection method to improve classification performance | 2019 |
| Cyber Security Challenge by KPMG – Participant Competed in real-world cybersecurity scenarios | 2018 |

EDUCATION

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| Bachelor of Engineering in Computer Engineering <i>King Mongkut's University of Technology North Bangkok (KMUTNB)</i> | Aug 2015 – Apr 2019 3 years 8 months |
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TECHNICAL SKILLS

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| Programming: | Python, SQL, Shell, JavaScript |
| Domains: | Supervised & Unsupervised Learning, Deep Learning, NLP, Computer Vision, Predictive Modeling, Data Pipelines, Data Lakehouse, ETL, Workflow Orchestration, Data Visualization, Web Hosting, Server Management, Remote Access, RAG (Retrieval-Augmented Generation), Vector Databases, Chatbot Development |
| DevOps & Infrastructure: | Docker, Git, CI/CD, GitHub Actions, Server Configuration, Remote Deployment |
| Tools & Platforms: | Pytorch, scikit-learn, Apache Spark, Apache Airflow, Apache Superset, Apache Iceberg, Pandas, NumPy, OpenCV, Min.io, Jupyter Notebook, VS Code, Dify, Milvus |