

Tony Tantisripreecha

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TECHNOLOGY SUMMARY

Language: Python, Java, C, C++, C#, ASP.NET, JavaScript, Node.js, R, Prolog, PHP, HTML, CSS, React

Database: SQL, NoSQL, Oracle, MySQL, PostgreSQL, Google Cloud Platform, Microsoft Azure, AWS

AI & ML: TensorFlow, PyTorch, Keras, Deep Learning, Transformer, CNN, RNN, LSTM, BERT, NLTK

Data Visualization: Power BI, Tableau, Matplotlib, Seaborn, Plotly, D3.js

Technical Skills: GitHub, Agile, Scrum, CI/CD, Docker, Kubernetes

WORK EXPERIENCE

Wawio, Los Angeles

January 2025 - Current

Position: Information Specialist

- Engineered automated workflows using Python and Deluge, streamlining team operations and improving overall efficiency by reducing manual tasks.
- Designed and implemented ETL pipelines to seamlessly extract, transform, and load data from Zoho CRM, Google Drive, and Stack, ensuring data integrity and accessibility for analytics.
- Developed interactive dashboards in Zoho Analytics, providing real-time insights and visual representations of key metrics to support data-driven decision-making for various teams.
- Integrated AI-driven solutions into the Zoho system, automating complex processes and enhancing predictive capabilities to improve operational efficiency.
- Performed in-depth data analysis using SQL, identifying trends, optimizing workflows, and enabling informed strategic decision-making to enhance business performance.

Platinum Micro Inc., Los Angeles

October 2024 – January 2025

Position: IT Administrator

- Managed IT infrastructure, ensuring system reliability and performance across office networks and servers.
- Diagnosed and resolved complex technical issues, minimizing downtime and maintaining operational efficiency.
- Developed automated reporting systems using Python and VBA, improving efficiency by 40%.
- Provided mentorship and training to IT staff, enhancing technical skills and performance.
- Designed and built high-performance AI servers and gaming computers with optimized GPUs and advanced cooling systems.
- Automated report processing through custom scripts in Python and VBA.
- Performed regular maintenance, updates, and performance checks on servers and networks.

Mahidol University, Bangkok

May 2018 - January 2024

Position: AI/ML engineer, Computer Science and Mathematics Lecturer

- Designed and implemented an AI model for a sentiment analysis system using Python, Google Cloud, BERT, and NLP for the Office of Insurance Commission, achieving a 60% boost in user engagement.
- Implemented server connectivity using RESTful API in Python, ensuring robust and secure communication between the application and server.
- Developed the TFmeanIDF term-weighting scheme for imbalanced text classification on Amazon datasets, boosting minority class accuracy by 90% and publishing results in an international journal.
- Lectured on AI, Machine Learning, Data Science, and Software Development; advised 30+ senior projects on CNN, RNN, and BERT, offering guidance on programming, databases, and data visualization tools.
- Instructed database management, mobile, and web development courses using Python, Java, JavaScript, Node.js, and GitHub, focusing on UX/UI design, version control, and CI/CD best practices.

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Rajamangala University of Technology Thanyaburi, Thanyaburi

July 2017 - March 2018

Position: AI/ML engineer, Computer Science Lecturer

- Utilized Python scripts to automate the analysis of outputs from computational chemistry, improving accuracy and efficiency.
- Conducted research on time series analysis techniques for predicting US stock movements, enhancing predictive accuracy by 90%, and presenting findings at an IEEE conference.
- Developed an automatic trading system for the US market using Java and the TWS API, integrating machine learning algorithms to optimize trading strategies, real-time data processing, and trade execution.
- Lectured on Database Administration with Oracle and SQL, covering installation, setup, and web server deployment, teaching students to optimize database performance and manage servers effectively.
- Supervised senior projects, mentoring students in applying theoretical knowledge to develop practical AI solutions.

Alphalist Co., Ltd, Bangkok

January 2014 - June 2016

Position: Data Scientist

- Created a valuable resource for training financial models by gathering and processing a 10-year financial dataset with 500 stock symbols.
- Streamlined trading processes by designing and testing software solutions, utilizing Python and SQL for data-driven strategies.
- Enhanced user experience and functionality by developing and maintaining websites using modern web technologies such as JavaScript, Node.js, MySQL, and WordPress.
- Improved software architecture and design by contributing to the development of a high-performance software platform connected to the TWS API, using Java and Python.

PUBLICATION

Journal

- **A Novel Term Weighting Scheme for Imbalanced Text Classification**, An International Journal of Computing and Informatics, vol 46, no 2, 259–268, 2022.
(Link: <https://www.informatica.si/index.php/informatica/article/view/3523>)
- **LegalEX: An Expert System for Law Firm**, the Intelligent Decision Technologies, pp. 315–328, 2016.
(Link: <https://content.iospress.com/articles/intelligent-decision-technologies/idt258>)

International Conference

- **Stock Market Movement Prediction using LDA**, 19th IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD). 2018.
(Link: <https://ieeexplore.ieee.org/abstract/document/8441038>)
- **Legal reasoning engine for civil court procedure**. Intelligent Computing Methodologies: 10th International Conference, ICIC, pp 500-512. 2014.
(Link: https://link.springer.com/chapter/10.1007/978-3-319-09339-0_51)

EDUCATION

- **Kasetsart University** November 2010 - September 2016
Doctor of Philosophy (Ph.D.) in Computer Science, GPA: 4.0
Research title: **Logi programming for Legal Expert System (LegalEX)**
- **Kasetsart University** June 2008 - May 2010
Master of Science (M.Sc.) in Computer Science, GPA: 3.68
Research title: **Supreme Court Sentence using Ontology (SCRO)**
- **Khonkaen University** May 2004 - April 2008
Bachelor of Science (B.Sc.) in Computer Science, GPA: 3.61 (First-Class Honors)