Titipa Eamsiriwong

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SUMMARY

First-Class IT graduate with a focus in Software Engineering, skilled in developing data-driven solutions. Experienced in full-stack development, data science, and machine learning, with a teaching background. Over 4 years of coding experience, starting from high school participation in the POSN Computer Olympiad Camp 2.

EDUCATION

King Mongkut's Institute of Technology Ladkrabang (KMITL) | CGPA: 3.54 (First Class Honors)   2021 – 2025

Bachelor of Science Program in Information Technology, Software Engineering Subject Area

EXPERIENCES

Software Engineer Cooperative Education   Jun – Oct 2024

MFG New Business Department, Toyota Motor Thailand Co., Ltd. (TMT)   *Samrong, Samut Prakan*

- Developed predictive maintenance system using Python, scikit-learn, and Flask
- Built and deployed web application prototype in real manufacturing environment, achieving 97.92% accuracy

Teaching Assistant   Dec 2024 – Oct 2025

- Generative AI in Practice Training – *TMBThanachart Bank (TTB)*
- Data Analytics Techniques and Visualization – *Thailand Digital Government Academy (TDGA)*
- Big Data System – *3rd year Information Technology, Data Science and Business Analytics, KMITL*
- Data Structures and Algorithms – *1st year Financial Engineering, International Program, KMITL*

ACADEMIC PROJECTS

Webteen – Digital Comic Platform   ⬠ t0ngk/webteen-frontend | PR-800/UserService

Service-Oriented Programming Subject, Front-End Lead & Back-End Contributor

- Led front-end development and designed an analytics dashboard for writers using Svelte
- Built user account services and RESTful APIs in Java with role-based access control

HueHunt – Color Matching Game   ⬠ PR-800/HueHunt

Computer Vision Subject, Programming Lead

- Implemented real-time camera-based color detection and scoring system using Python and OpenCV
- Built an interactive color-matching game where players find real objects matching assigned colors

SKILLS

Programming	: Python, HTML, CSS, JavaScript, C/C++, Java, PHP, SQL, RESTful API
Frameworks	: React, Node.js, Express.js, Vue.js, Svelte, Bootstrap, Tailwind, Flask
Tools & Other	: Git/GitHub, VS Code, Postman, Figma, Machine Learning, Data Analysis & Visualization
Fluency	: English (TOEIC 840), Thai (Native)