

Kamolpop Poonsawat

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EDUCATION

King Mongkut's University of Technology Thonburi (KMUTT)

Bangkok, Thailand

Bachelor of Engineering in Computer Engineering (GPA : 3.56)

Jul 2022 – Present

EXPERIENCE

Teaching Assistant

Aug 2024 – Dec 2024

King Mongkut's University of Technology Thonburi (KMUTT)

Bangkok, TH

- Served as Teaching Assistant for MTH101: Mathematics I, supporting 1000+ engineering students at KMUTT
- Led 3 regular tutoring sessions and Created comprehensive practice materials, working closely with professors to address students' challenges in calculus fundamentals
- Initiated structured feedback processes based on insights gained from student interactions; findings helped refine teaching strategies addressing common areas of difficulty faced by 1000+ first-year engineering undergraduates

Bangmod Hackathon 2024

July 2024 - September 2024

Examiner

Bangkok, TH

- Designed and Created algorithmic problems for Bangmod Hackathon 2024, a prestigious high school programming competition with 100+ participants
- Crafted problem statements and test cases for C programming challenges that effectively assessed participants' algorithmic thinking and code optimization skills
- Designed comprehensive evaluation metrics and scoring systems for 100+ participants

PROJECTS

Mobile Information Classification Model | *Python, Pandas, Scikit-Learn, Matplotlib*

Data Model Course

- Developed and implemented advanced machine learning models in Python, classifying over 2,000+ mobile device data points to predict user behavior patterns
- Preprocessed and engineered features from 2,000+ mobile device data points, including handling missing values, normalizing numerical features, and encoding categorical data to optimize model input.
- Achieved 85% accuracy with the Decision Tree model and improved performance to 87% accuracy using the Random Forest classifier.

ModElite E-commerce Platform | *NextJS, TypeScript, TailwindCSS, Ant Design*

Software Engineering Course

- Spearheaded frontend development of an e-commerce platform for premium footwear, implementing responsive UI components using NextJS, TypeScript, and Ant Design
- Led User Acceptance Testing (UAT) to validate frontend functionality and ensure a seamless user experience
- Implemented frontend integration with payment gateway system and developed responsive checkout workflows using TailwindCSS for cross-device compatibility

TECHNICAL SKILLS

Languages: Python, SQL, R, C, JavaScript, TypeScript, HTML/CSS

Data Science: Numpy, Scikit-Learn, Pandas, TensorFlow, Seaborn, Matplotlib

Databases: MySQL, MariaDB

Frameworks: ReactJS, TailwindCSS

Tools: Excel, Git, VS Code, PyCharm

SOFT SKILLS

Team Collaboration: Worked closely with professors and other teacher assistants to develop effective academic support strategies.

Teaching Excellence: Delivered structured tutoring sessions to address challenges in calculus fundamentals.