Nattakorn Klangkhong

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Summary

Third-year Computer Science student at Kasetsart University seeking a **4-6 month Co-operative Education** opportunity as a **Software Engineer**. Proficient in **Full-Stack development (React, Node.js, MySQL)** and experienced in **Machine Learning/Computer Vision (Python)**. Eager to apply strong analytical and problem-solving skills to deliver efficient, scalable software solutions in a professional team environment.

Education

Kasetsart University 2023-Present
Faculty of Science
Bachelor of Computer Science

Princess Chulabhorn Science High Schools Satun 2020-2023

Projects

Monthongmoon Durian Orchard Management System Jul 2025 - Nov 2025
• Built a responsive **React-based** web application to manage and visualize orchard data, focusing on clean, intuitive, and user-friendly UI/UX design.
• Implemented **full-stack functionality** by integrating the React frontend with a **Node.js + MySQL** backend, enabling reliable **CRUD operations** across core agricultural workflows.

Kasetsart University's request submission Jul 2024 - Oct 2024
• Developed a **JavaFX-based** desktop application for managing and processing student request forms, focusing on usability and efficient workflow handling.
• Designed and implemented a **multi-role access system** supporting students, academic advisors, department staff, faculty staff, and administrators to ensure secure and role-appropriate functionality.

EyeSight BesideYou : Real-time Eye Fatigue Detection System Jul 2022 - Oct 2022
• Developed a desktop application using **Python, OpenCV, and dlib** to detect early signs of eye fatigue by analyzing facial landmarks and calculating the **Eye Aspect Ratio (EAR)** in real-time.
• Implemented an intelligent health monitoring algorithm that tracks blinking frequency and triggers instant Windows notifications when the rate drops below the safety threshold (**<20 blinks/min**) to prevent Computer Vision Syndrome.

Parkinson's Disease Prediction Model Jul 2024 - Oct 2024
• Developed and optimized machine learning models (**Random Forest, KNN, SVM**) for early Parkinson's detection using biomedical voice data, achieving an **F1-score of 0.77 and 71% accuracy**.
• Deployed the final model on **Hugging Face Spaces** to provide a publicly accessible interface for real-time inference and disease prediction.

Skills

Technical Skills: HTML, CSS , TailwindCSS, Bootstrap, JavaScript, React, Next.js, Node.js, Github, C, C++, Java, Python, Flutter, MySQL, Figma, VScode, IntelliJ, Photoshop, Premiere Pro.
Soft Skills: Problem Solving, Critical Thinking, Collaboration & Teamwork, Communication, Time Management, Adaptability, Continuous Learning, Agile Methodology.