Nattakorn Klangkhong

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Summary

I am a third-year Computer Science student at Kasetsart University with a strong interest in Software Engineering. I possess **Full-Stack web development skills**, capable of building efficient, user-friendly, and responsive systems using **HTML, CSS, JavaScript, and React**, integrated with **Node.js and MySQL** for backend functionality.I also have experience developing desktop applications with JavaFX, basic knowledge of mobile app development using Flutter, and a solid understanding of UX/UI principles.

I am a fast learner, responsible, and able to work well in a team. I am seeking a Software Engineer internship opportunity to strengthen my technical skills, gain real-world experience, and grow into a more proficient developer in the future.

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