

# Napathee Petyabal

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## Education

**Kasetsart University**

*Bachelor of Science | Computer Science*

**2023 - 2026**

*GPAX: 3.50*

## Profile Summary

Computer Science student with strong programming and problem-solving skills. Experienced in developing projects across AI, mobile, and web applications. Passionate about Artificial Intelligence and Software Engineering, eager to learn and contribute to innovative, real-world solutions.

## Projects

**Leave Request System** | NextJS, React, Flutter, PostgreSQL, Golang, Docker

*Jun 2025 - Oct 2025*

- Objective: To design and develop a full-stack leave management system that streamlines employee leave requests and approvals through a secure, scalable web and mobile application, driven by thorough system analysis.
- Performed comprehensive system analysis and design, such as requirement gathering, business process modeling, UX/UI design, UML diagrams, and database schema definition before implementation.
- Developed web application with **Next.js + React** and Mobile Application with **Flutter** for a modern frontend UI.
- Designed and implemented a RESTful API backend in **Go** with Clean Architecture principles.
- Developed and optimized PostgreSQL database schema

**TaskMaster** | NextJS, React, PostgreSQL, Java, Springboot, Docker

*Jun 2025 - Oct 2025*

- Objective: To build a collaborative task management platform that enables student teams to organize projects, assign tasks, and track progress efficiently.
- Developed web application with **Next.js + React** for an intuitive and responsive frontend UI.
- Built a **Spring Boot** backend with RESTful APIs and applied Design Patterns and Design Principles.
- Designed and optimized a PostgreSQL database schema.

**MyCondo** | Flutter, Dart, Firebase, Cloud Firestore

*Nov 2024 - Mar 2025*

- Objective: To develop a mobile application that simplifies condominium management for residents and staff.
- Developed a Condo Management mobile app using **Flutter** with a clean, responsive UI for both staff and residents.
- Integrated Firebase Cloud Firestore for real-time data management (resident, bill, repair request, announcement).
- Implemented Firebase Authentication for secure login and role-based access (staff vs. resident).

**KU Request** | Java, JavaFX, Scene Builder

*Jun 2024 - Oct 2024*

- Objective: To develop a desktop-based university request management system for handling student requests
- Developed a university request management system using **Java & JavaFX** with Scene Builder for an interactive GUI.
- Applied OOP principles to structure classes (User, Admin, Student, Request, Department) for maintainability.
- Implemented file I/O operations to read and manage user, request, and department data from CSV files.

## Skills

**Languages:** Python, C, C++, Java, Dart, HTML, CSS, JavaScript, Golang, BASH

**Developer Tools:** AWS, Postman, Git, Docker,

**Libraries/Frameworks:** NextJS, React, Go Fiber, Spring Boot, Flutter, PostgreSQL, MySQL, Pandas, Numpy

**Languages:** Thai - (Native), English - B2 (TOEIC 925/990)