KRITTAWAT PHANTHUMSARN

Seeking Internship · Full Stack Developer



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Computer Science undergraduate pursuing a Full Stack Developer internship. Experienced in developing web applications with React.js, Node.js, RESTful APIs, and relational databases. Passionate about building robust, production-ready software solutions and integrating AI workflows.

FEATURED PROJECTS

Personal Income Tax Planning Chatbot

2025 – Present

University Project · In Active Development

Python | RAG | FAISS | Dialogflow ES | LINE Messaging API

- Applied RAG architecture with FAISS vector search for semantic retrieval, providing accurate personal income tax advice and automated calculations.
- Integrated Dialogflow ES webhook with LINE Messaging API, enabling conversational tax consultation via mobile messaging.
- Developed document data extraction using OpenCV and Tesseract OCR; designed the data processing architecture and PDF assessment summary reports.

BASKETBALL-HUB

2025

Basketball League Tournament, Statistics & Ticketing Management Platform

Node.js | Express.js | PostgreSQL | JWT & RBAC | Concurrency Control

- Developed RESTful APIs with Node.js and Express.js, architecting clean separation of Routes, Services, and Middleware for matches, teams, and orders.
- Designed PostgreSQL schema with database transactions and concurrency locking (`FOR UPDATE NOWAIT`) to prevent double-booking conflicts in real time.
- Implemented JWT authentication with bcrypt and RBAC; automated league standings and built a responsive UI with JavaScript Fetch API.

Personal Portfolio

2025

Personal Profile & Interactive Project Showcase Website

HTML5 | CSS3 | JavaScript | WebGL / Shader

- Designed and built a responsive bilingual portfolio with custom UI/UX design, accessible navigation, and interactive WebGL canvas animations.
- Integrated automated deployment on Cloudflare Pages via GitHub Actions with 100% test coverage across multiple viewports.

TECHNICAL SKILLS

Frontend	HTML	CSS	JavaScript	React.js
Backend	Node.js	Express.js	RESTful API	Python
Database	PostgreSQL	MySQL
Tools	Git	GitHub	Postman	Figma
Architecture	UML	ER Diagrams	System Design

EDUCATION

B.Sc. in Computer Science

Rajamangala University of Technology Krungthep

Expected Graduation: 2027

Wat Raja-O-Ros School

Upper Secondary · Science–Mathematics Program

GPAX: 3.37

Core Strengths: Problem Solving, Team Communication, Fast Learner, Collaboration