

KRITSANAI BUNNAK

Software Developer

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🌐 <https://github.com/tinoii3>

📍 Saraburi, TH

Experiences

CDG Systems Ltd.

5 May 2025 - 31 Oct. 2025

Programmer (Trainee)

- Developed an in-house web application using Java (Backend) and Angular Framework.
- Designed and implemented dynamic data tables with search, filtering, and CRUD operations.
- Built an Excel import pipeline with validation logic, reducing manual data entry for internal operations.
- Applied role-based authorization to control feature and UI access based on user permissions.
- Implemented PDF report generation to support internal workflows.

Projects

Hotel Booking System

2025

Angular • Express • Prisma • PostgreSQL • Cloudinary

- Built full-stack hotel booking platform with JWT access + refresh token rotation and role-based access control (RBAC).
- Designed a modular frontend architecture using Angular with RxJS, HTTP interceptors, and reactive forms.
- Deployed on Vercel/Render, used Supabase PostgreSQL and Cloudinary for cloud storage.

Repair Service System

2024

Next.js • Elysia • Prisma • PostgreSQL

- Developed a system for managing repair workflows including job tracking, assignment, and payment processing.
- Designed RESTful APIs for users, devices, and repair records with JWT-based authentication.
- Implemented reporting features including income summaries and dashboard analytics.

Tomato Guard

2025

Flutter • Python • TensorFlow • SQLite

- Developed a mobile application for tomato leaf disease classification using a MobileNetV2-based CNN.
- Achieved 96% classification accuracy across 6 disease classes.
- Implemented on-device inference using TensorFlow Lite for real-time offline predictions.
- Designed features such as scan history, confidence thresholding, and outlier detection.

Digit Writing Recognizer

2024

Python • TensorFlow/Keras • PyQt5 • OpenCV

- Built a desktop app for real-time handwritten digit recognition using a trained MLP model on MNIST dataset.
- Implemented image preprocessing pipeline with bounding box detection and 28×28 normalization via OpenCV.

Skills

Languages: Java, Python, TypeScript, C++, PHP, Dart

Frontend: Angular, Next.js, Flutter

Backend: Express.js, Elysia, Spring Boot, Quarkus

Databases: PostgreSQL, MySQL, SQLite

ML / AI: TensorFlow, Keras, scikit-learn

Tools: Docker, Git, Prisma, Vercel, Render, Supabase, Cloudinary, Postman

Education

Rajamangala University of Technology Thanyaburi

Bachelor of Science in Computer Science

- Expected Graduation on: May 2026 | GPAX: 3.83