PIPHAT UPACHATAI

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PROFILE

Royal Scholarship Students (100%), Rajaprajanugroh foundation under royal patronage, Rangsit University. Highly motivated Computer Science graduate with First Class Honors (GPA 3.50) and diverse experience in full stack development. Eager to leverage strong technical and problem-solving skills in software development to contribute to innovative projects.

EDUCATION

Rangsit University   Pathum Thani, Thailand
Bachelor of Science in Computer Science with First Class Honors. GPA: 3.50   Graduation Date: May 2025
Relevant Coursework: OOP, System Analysis, Computer Architecture,
Software Engineering, Data Analysis, Machine Learning, Data Structures and Algorithms,
Database System, Programming Languages, Artificial Intelligence

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SKILLS & INTERESTS

Technical
Proficient
- JavaScript, HTML, Vue, Nuxt.js, SQL, MySQL, CSS, Node.js, Git, Python, Express

Familiar
- Next.js, Java, React, MongoDB, Dbeaver

Exploring
- C#, PHP, Docker, Tailwind CSS, TypeScript, NestJS, Flutter, PostgreSQL, Machine Learning (ML), Artificial Intelligence (AI), Continuous Integration and Delivery (CI/CD).

Interests
- Exploring emerging technologies that improve quality of life.

EXPERIENCE

AI Quant Tech CO.,Ltd.   Pathum Thani, Thailand
Intern Programmer   August 2024 – December 2024
- Designed Database Systems.
- Developed web applications (both frontend and backend).
- Work under the supervision and assistance of senior programmers.

PROJECT

Gacha System Simulation Application   2021
Developer
- Developed a simple Gacha System Simulation Application using Java Swing and MySQL.
- Gained practical experience in database design, SQL queries, and data manipulation.
- Enhanced understanding of core Object-Oriented Programming (OOP) principles.
- Strengthened fundamental programming and software development skills.

Food Delivery Simulation Application
Developer

2022

- Developed an application for an Object-Oriented Programming course.
- Designed and implemented a complex object-oriented software architecture, enhancing skills in modularity, encapsulation, and code reuse.
- Strengthened ability to manage GUI design and interactive user interfaces with JavaFX.
- Improved understanding of designing scalable and maintainable software solutions.

NFT Web Application
Full Stack Developer

2022

- Developed a web application for showcasing and promoting NFT artworks using Next.js for the frontend and deployed the site via Vercel with a custom domain.
- Integrated MetaMask wallet connectivity through ethers.js to provide blockchain-based identity features for users.
- Created dynamic pages for each NFT artwork, presenting sale schedules, rarity attributes, and collection insights with clean UI components built using Tailwind CSS.
- Implemented responsive layouts and reusable components to support seamless browsing across devices.
- Gained hands-on experience with Web3 integration, static site generation (SSG), and deployment optimization using Vercel's serverless infrastructure.

Registration Web Application
Full Stack Developer

2022

- Developed a Registration Web Application utilizing Next.js for the frontend and Node.js for backend development.
- Improved expertise in database design, specifically focusing on efficient CRUD operations.
- Enhanced skills in JavaScript frameworks and backend API integration for seamless communication.

Line OA System for the Department of Computer Science
Full Stack Developer

2022

- Developed a custom chatbot for a Line Official Account using the LINE Messaging API to assist users with inquiries about the Department of Computer Science.
- Designed and implemented webhook-based interactions to process user messages, route logic, and deliver context-aware responses.
- Led the AI training process by collecting, labeling, and organizing question–answer pairs, and refining response logic to improve accuracy and relevance.
- Built custom NLP logic for intent recognition and keyword matching without relying on third-party platforms, enabling flexible and lightweight deployments.
- Enhanced user experience through iterative testing and data-driven improvement of conversational flows.

OCR Application
Developer

2023

- Developed an image-to-text recognition application using Python and Pytesseract, implemented in a Jupyter Notebook environment.
- Processed input images through pre-processing techniques such as grayscale conversion, thresholding, and noise reduction to enhance OCR accuracy.
- Utilized the Tesseract OCR engine to extract textual content from a variety of image formats, including scanned documents and screenshots.
- Designed modular Python code for image loading, preprocessing, OCR execution, and post-processing
- Improved OCR reliability through iterative testing on diverse image datasets and fine-tuning of preprocessing pipelines.

The Emperor House Product Management System
Backend Developer

2023

- Developed a web application for product data management at The Emperor House company using Nuxt.js 2.0 and Express.js for scalable backend services.
- Implemented RESTful APIs with Node.js and Express to handle CRUD operations efficiently with MySQL database.
- Collaborated closely with frontend developers using Vue.js to deliver seamless data flow and dynamic UI updates.
- Designed database schemas and optimized queries to ensure high performance and data integrity.
- Maintained and enhanced backend functionalities to support business requirements and product inventory workflows.

AI Quant Tech Customer Stock Trading Data Storage System   2024
Programmer

- Developed a web-based investment analysis platform for managing stock data and client portfolios, aimed at supporting financial planning and personalized investment strategies.
- Utilized Nuxt.js 2.0 and Vue.js for building a responsive frontend interface, ensuring efficient data visualization and user interaction.
- Built backend services with Express.js and Node.js to handle data ingestion, user management, and secure API endpoints.
- Integrated MySQL as the core relational database to manage customer profiles, stock holdings, and historical trading data.
- Implemented data analysis modules using Python for identifying investment trends, risk profiles, and generating strategic recommendations.
- Collaborated with financial advisors and stakeholders to align system functionalities with real-world investment workflows.

REFERENCES

Ms. Sumana Kasemsawas
Lecturer
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