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I have professional experience building AI tools that solve real problems, like AI-driven workflows to automate code testing and performance dashboards to boost backend reliability. As a Computer Engineering student, I thrive in fast-paced Agile environments and am focused on building efficient, scalable solutions.

TECHNOLOGIES AND LANGUAGES

- Languages: Python, Java, C, C++, JavaScript, Node.js, TypeScript, Golang, SQL, Scala, Bash
- Libraries & Frameworks: React, Next.js, Tailwind CSS, Bootstrap, Material UI, Vite, Django
- Tools: Git, Docker, GitHub, MongoDB

EDUCATION

- **King Mongkut's University of Technology Thonburi, Thailand**
  B.Eng. Computer Engineering, TH. 2022-Present (Expected May 2026) (GPAX 3.5)
  Courses: Basic Computer Programming, Data Structure, Algorithm, Database Management, Software Engineering

WORK EXPERIENCE

Software Engineer (intern)   **Agoda**   **Jun 2025-Present**

- Achieved a 75% merge-to-production rate for AI-generated code by engineering a Python-based pipeline that autonomously generated high-quality output capable of consistently passing mandatory team reviews. This innovation freed up dozens of full-time developer resources quarterly.
- Drove the strategy and optimization of AI agent methodologies, establishing best practices for prompt design and context-aware optimization to enable the seamless integration of AI components into production workflows.
- Engineered and automated a full-stack performance testing metric to track end-to-end booking creation latency, delivering actionable insights via a responsive dashboard to identify and resolve system bottlenecks.

Full-Stack Developer (part-time)   **SCB Tech Hub**   **Oct-Dec 2024**

- Developed internal modules for authentication, authorization, and user management within a banking environment.
- Working in a secure, privacy-focused setup built for the strong standards of banking.

Full-Stack Developer (intern)   **Looloo Technology**   **Jun-Jul 2024**

- Developed real-world projects, including a full-scale ERP website and a demo AI website using APIs from the ML team.
- Collaborate with product managers, admins, designers, and QA to deliver client-focused solutions.
- Contributed to the full Software Development Lifecycle (SDLC) in an Agile environment, actively participating in requirement discussions, sprint planning , and code reviews to ensure code quality and reliability.

PROJECTS

- **Fundflow (Backend)** - *Golang(Jwt, Gorm, Gin), PostgreSQL, Mailjet, Docker, PgAdmin*
  I designed and implemented the backend architecture for this app, ensuring seamless alignment with the app's design. This included developing robust APIs for authentication, database operations, and email notifications.
- **ArtPiece (Fullstack)** - *React, Node.js, MongoDB, Hugging Face Inference API, Cloudinary*
  Web generates an image from text using stabilityai/stable-diffusion-2-1 API, stores the image into Cloudinary, and then I keep the image URL in MongoDB for querying to show in home page.
- **AnimeBlog (Frontend)** - *React, Material UI, Firebase Database, Firebase Auth, Firebase Storage*
  I created a web blog about anime that users can register and log in to post and comment likes on Facebook by using Cloud platform to manage data and authentication.

ACTIVITIES

- **Winner, Vision-Language Model for Smart Manufacturing Hackathon by CMKL (2025),** Co-developed "VALZ," a Zero-shot factory safety system. Engineered a high-performance pipeline integrating YOLO and Qwen3-VL, optimizing edge inference via frame sampling and compression.
- **Runner-up in Bootcathon 2024 by ExxonMobil ,** I developed "Exxon Support," a website for local garages featuring AI-powered customer query handling with Typhoon API, a reservation service for booking appointments, and an admin dashboard for managing schedules efficiently.
- **Thailand Computer Olympiad Camp (2021),** Camp for learning competitive programming and algorithms in C and C++. I have learned about algorithms and data structure and how to use them to solve problems in programming contests.