Natlada Simasathien

Bangkok, Thailand
+66 66 119 1914
natlada.sima@kmutt.ac.th
github.com/mmoladaa

A full-stack developer with a unique foundation in UI/UX design, I create web applications that seamlessly blend attractive interfaces with robust functionality. While my design background gives me an edge in frontend development, I'm passionate about expanding my backend skills to build high-performance solutions. I'm recognized for my ability to learn quickly, manage time effectively, and lead teams towards successful project completion. I thrive in collaborative environments where I can both contribute and grow alongside talented peers.

Education

- **B.Eng Computer Engineering** King Mongkut's University of Technology Thonburi | Petch Prajom Klao Scholarship
  GPAX: 3.12
- **Naresuan University Secondary Demonstration School** (High School) | SCiUS Scholarship

Skills

- **Programming Language**: JavaScript, Typescript, C, C++, Python
- **Front-End Development**: ReactJS, ViteJS, TailwindCSS, ChakraUI
- **Back-End Development**: Node.js, MongoDB, Express.js, MySql
- **Other** : Git, Github, Vercel, Google Colab, Figma, GoogleAPI

Projects

- **E-commerce Clothing Website** | *ReactJS, ViteJS, TailwindCSS, Vercel*
  - Engineered a responsive e-commerce platform with product catalog, shopping cart, and user authentication functionality
  - Implemented performant front-end architecture and deployed on Vercel with automated CI/CD pipeline
- **Online Banking System** | *ReactJS, ViteJS, TailwindCSS, Vercel*
  - Built responsive user interface components for banking features including account overview, transfers, and transaction history
  - Developed reusable UI components and implemented responsive design principles for optimal user experience
- **ModBike: Bicycle Registration System** | *Typescript, ReactJS, ChakraUI, GoogleAPI, Vercel*
  - Built a prototype of KMUTT's bicycle registration and tracking platform with user authentication and management system
  - Implemented real-time bicycle tracking features and registration workflow used by university community
- **Contact Management Backend** | *Express.js, MongoDB, Node.js*
  - Developed a comprehensive contact management backend application with robust user authentication and CRUD functionality
  - Implemented secure user registration, login system with JWT authentication, and protected routes for personalized contact management
- **Calculator Unit Test** | Python, pytest
  - Developed a comprehensive unit testing framework for a basic calculator to ensure robust and reliable mathematical operations
  - Implemented systematic test cases covering scenarios for add, subtract, multiply, and divide functions using Python's pytest framework
- **comcamp.io: Event Registration Portal** | *Figma*
  - Designed comprehensive UI/UX for Computer Engineering department's camp registration platform
  - Created user-centered design system including wireframes and high-fidelity prototypes for seamless registration flow

Awards and Paticipations

- **1st Runner-up in ExxonMobil Boothcathon 2024**, Developed a solution application for Mobil lubes' business growth challenge.
- **Top 16 in Thailand ABU Robocon 2024**, Developing competitive robots for Thailand's representation in the Asia-Pacific Robot Contest.
- **TrueLAB Hackathon x Mordee (2023)**, Developed a prototype feature to enhance healthcare accessibility in Thai telemedicine applications.
- **BOTNOI OpenAI HackFest (2023)**, AI competition focused on enhancing Thai business competitiveness through technological innovation.

Activities

- **Thailand Computer Olympiad Camp (2020-2021)**, Competitive programming camp focusing on algorithms and data structures using C/C++.
- **Web Development Bootcamp by Skooldio (2024)**, Completed intensive front-end development training with hands-on project experience.
- **Comcamp34 Leader (2022)**, Led educational initiative guiding high school students about Computer Engineering studies at KMUTT.
- **CAI Club Hackathon 2022**, Organized Youth-focused AI hackathon competition with support from CP ALL and CAI Club.
- **iNENG Camp (2021-2022)**, Organized Robotics education program for rural children to develop basic skills and creative thinking.