

# NICHAKON SEEHABONG

• 063-103-0082 • nichakon.ivelse@gmail.com • [LinkedIn](#)

## EDUCATION

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**University at Bangkok**, King Mongkut's University of Technology Thonburi

*Bachelor of Science, Computer Science, Expected May 2025*

- Academic Excellence in the Academic Year 2023, GPA 3.79/4.0

## WORK EXPERIENCES

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**Connected Tech, Bangkok Thailand**

*Part-time Software Engineer, June 2023 - Present*

- Developed backend system for multiple projects, ensuring smooth integration with front-end components and optimal performance.
- Implemented RESTful APIs, enhancing communication between the server and client, resulting in a 20% reduction in response time.
- Utilized Go framework to create scalable and maintainable web applications, contributing to a 15% increase in overall development efficiency.
- Collaborated with front-end developers to integrate user-facing elements with server-side logic, ensuring a seamless user experience.

## ACADEMIC PROJECTS

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**Modlife, Computer Science**

*Full Stack Developer, December 2022*

- Headed the development of a comprehensive website for KMUTT students as the lead Full Stack Developer of the Announcement module, utilizing technologies such as React.js for the front end and Node.js for the back end.
- Implemented RESTful APIs, optimizing data retrieval processes, and resulting in a 25% improvement in application response times.
- Developed and maintained the database schema using MySQL, enhancing data storage efficiency, and enabling smooth scalability.
- Introduced an agile project management approach, conducting daily stand-up meetings, weekly sprints, and regular retrospectives, resulting in a 20% increase in team efficiency and project delivery speed.
- Utilized Git for version control, reducing code conflicts and enabling collaborative development among team members.

**ModDormy, Computer Science**

*Full Stack Developer | Project Manager, May 2023*

- Led the development of a mobile application as the role Full Stack Developer, utilizing Flutter for the front end and Go for the back end.
- Efficiently managed the project life cycle, from conceptualization to deployment, taking on the dual role of Full Stack Developer and Project Manager to ensure the project was completed on schedule.
- Headed the development of a comprehensive platform for KMUTT students as the lead Full Stack Developer of the Announcement module, utilizing technologies such as React.js for the front end and Node.js for the back end.
- Instituted an agile project management framework, conducting regular sprint planning meetings, weekly stand-ups, and retrospectives, resulting in a 25% increase in team productivity.
- Utilized Git for version control, streamlining collaboration among team members and facilitating efficient code integration.
- Implemented continuous integration and continuous deployment (CI/CD) pipelines, automating testing and deployment processes, reducing manual errors by 15%.

## Thai Sign Language Detection, Computer Science

*Full Stack Developer / AI Developer, December 2023*

- Developed Thai Sign Language Detection system, utilizing a combination of computer vision and machine learning techniques.
- Integrated the sign language detection AI model smooth into a website, enabling real-time webcam functionality for users to interact with the system.
- Implemented a full stack solution, utilizing technologies such as React.js for the front end and Flask for the back end, ensuring a responsive and user-friendly web application.
- Engineered RESTful APIs to facilitate communication between the front-end web application and the sign language detection model, achieving a 30% reduction in response time.
- Presented the Thai Sign Language Detection project to stakeholders, effectively communicating technical details and demonstrating the real-time webcam functionality.
- Conducted thorough analysis of user interactions and refined the AI model iteratively, improving the system's accuracy by 15% through continuous learning.

## SKILLS

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Computer Skills: Adobe Premiere Pro, Adobe Illustrator, Mac OS

Programming Languages: Go, JavaScript, Java

Languages: English, Thai

## ACHIEVEMENTS

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**Presentation Award, Innovation for Crime Combating Contest 2023 (I4C-2023), September 2023**

- Earned the Presentation Award in the I4C-2023 competition, a recognition bestowed upon the top 8 works selected from participants across the country.
- Developed and presented "DSI Connect," an innovative mobile app designed to streamline investigations, inquiries, prevention, and suppression of significant special criminal cases.
- Facilitated efficient communication and collaboration between the Department of Special Investigation (DSI) and the public, enhancing the effectiveness of case investigations.