

PATCHARAPHON SRIDA

FULLSTACK DEVELOPER

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ABOUT ME

Electronics Engineering Technology (Computer) student at KMUTNB with a strong foundation in electrical systems. Founder of GearMind, an industrial chatbot developed with NSTDA. Experienced in real-world system and prototype development with a focus on coding and UX/UI. Eager to grow as a software developer.

EXPERIENCE

Founder & Lead Developer – GearMind RAG Chatbot 2023-2024

Surin Technical College (in collaboration with NSTDA)

- Led development of an industrial AI platform (collab. with NSTDA)
- Built knowledge management API, integrated IoT for real-time monitoring
- Delivered fault analysis simulation for charging stations

Head of R&D Team – Invention Projects 2022 - 2024

Electrical Power Department, Surin Technical College

- Supervised design and prototyping for competition innovations
- Developed PowerHub, smart water pump, energy measurement tools

Developer – Digital Systems and Innovation Projects 2022 - 2024

Surin Technical College

- Co-created school management system, event check-in (QR), GPS time attendance
- *Achievement: Used by over 2000 students*

SKILLS

Languages:	TypeScript	JavaScript	Python	C++ (Arduino)	HTML	CSS
Tools:	Git	GitHub	Docker	Postman	CURL	Figma
Frameworks:	Next.js	Arduino	TailwindCSS	Expo		

EDUCATION

Vocational Education Certificate in Electrical Power May 2022 - March 2025

- Surin Technical College
- GPA 3.83

B.Eng. in Electronics Engineering Technology (Computer) June 2025 - Present

- College of Industrial Technology, KMUTNB

ADDITIONAL INFORMATION

Location: Surin, Thailand
Github: github.com/mengsokool
Portfolio: <https://mengsokool.space>