

Suphanat Chanlek

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PROFESSIONAL SUMMARY

Second-year Computer Science student with hands-on experience in full-stack web development through internships and hackathons. Skilled in building production-ready web-applications with modern frameworks. Proven track record in hackathon competitions, including Winner at SSPI 2024, and in delivering real features used in professional environments. Currently seeking a Full-Stack Developer Internship to contribute technical skills and gain further industry experience.

TECHNICAL SKILLS

- **Frontend** : JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Bootstrap
- **Backend** : Node.js, Express.js, Java, Spring Boot, REST API, GraphQL, PostgreSQL, MongoDB, MySQL
- **Tools & Technologies**: Docker, Git, GitHub Actions, Postman, Figma, Firebase, Prisma, Swagger, Label Studio
- **Additional Skills (ML/AI)**: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch

EXPERIENCE

Undergraduate Researcher (AI & Software Engineering)

Thammasat University – Lab Tonkit | May 2025 – Present

- PADIN Project – Joint research with Osaka University & Thammasat University, developing AI-powered dental X-ray diagnostic tools.
- Built an ML backend (SAM2) integrated with Label Studio to support federated learning, enabling researchers to process large-scale medical images more efficiently.
- Developed and maintained the PADIN project website, making research data and annotation tools more accessible for dental professionals and cross-discipline researchers.
- Designed and deployed a web application on Render to aggregate individual tooth labels into composite dental images using image processing techniques, helping the research team streamline their workflow and annotation accuracy.

Frontend Developer (Intern)

ASCEND CO., LTD. | August 2025 – Present (Expected to finish January 2026)

- Developed responsive interfaces using Next.js + Tailwind CSS in production systems.
- Integrated frontend components with backend services, contributing to real-world deployments.
- Implemented LINE LIFF applications for chat-based functionality.
- Collaborated with design teams to convert Figma mockups into production-ready code.

PROJECT

CIS CSTU40 Agent Mission System | Next.js, TypeScript, Tailwind CSS, MongoDB | Link : <https://ics-cstu-40.vercel.app/>

- Built an interactive cybersecurity mission web app with gamified clues and countdown timers.
- Designed and launched an interactive mission game with 150+ student participants, deployed on Vercel.

HomiQ Home Loan Planning Prototype | Next.js, Tailwind CSS

- Developed a mobile-first prototype for loan repayment planning at GHB Open Innovation Hackathon 2025 (Finalist).
- Built user-friendly interface from Figma to working prototype.

INSCENE A Travel Platform like your favorite Thai movies and series | React.js, Tailwind CSS, Express.js, MongoDB

- Implemented the frontend by transforming high-fidelity Figma designs into a fully functional, responsive interface and integrated it with the backend and Awarded Winner at the Sci Soft Power Innovation Hackathon (SSPI 2024).

HONOR & AWARD

Hackathon:

The Winner, Sci Soft Power Innovation Hackathon (SSPI 2024)

1st Runner-up, Digital Innovation Workshop & Hackathon 2023 (TCS x CIS KMUTNB)

Rookie Star, Aextra Mile Hackathon 2025 (CP AXTRA PUBLIC COMPANY LIMITED)

Finalist, GHB Open Innovation Hackathon 2025 (GHBank)

Selected Participant (Top 20 out of 273 applicants), Young Webmaster Camp 20 – Web Programming Track

EDUCATION

Thammasat University

Bachelor of Science in Computer Science, 3.42 GPA

- Relevant Coursework: Web Development, Software Engineering, UI/UX Design, Object-Oriented Programming (OOP), Data Structures & Algorithms, Principles of Data Science

Rangsit Campus, Thailand

2024 - Present