



SARANPHAT TREEPIEN

COMPUTER ENGINEERING

☎ 061-446-1930

✉ saranphat.tre289@gmail.com

in saranphat treepien

🌐 <https://saranphattree-me.vercel.app>



PROFILE SUMMARY

Computer Engineering graduate (2025) with interest in networking and cloud infrastructure, and hands-on experience in network configuration, virtual machines, and system integration.

EDUCATION

2023 – Present	Bachelor of Computer Engineering Sripatum University, Bangkok GPA: 3.80
2019 – 2021	Thai-Austrian Technical College Sattahip ,Chonburi Information Technology (IT)

EXPERIENCE

Water Vending Machine System (IoT Commercial Project)

- Freelance Project (Assigned via Master's Advisor)
 - Hardware: PCB assembly, soldering, and Performed chip-level diagnostics and hardware maintenance
 - Network: SIM-based IoT setup and IP configuration for stable connectivity
 - System: On-site troubleshooting and API testing with backend team
 - Deployment: 70+ commercial vending units

PROJECT

TourGuard (I-New Gen Award 2025): Lead Developer & Hardware Integrator

- Designed and implemented an AI-driven intrusion detection system using YOLOv8 and Flask, integrated with LINE Messaging API for real-time alerts.
- Developed IoT control units using ESP32 for precise hardware assembly and sensor data acquisition.

ADDITIONAL SKILLS

- **Networking:** OSI Model, TCP/IP, IPv4/IPv6, Routing & Switching, VLAN, SSH, Telnet, STP, Network Configuration & Troubleshooting
- **System & Infrastructure:** Linux Basic Commands, Virtual Machines, System Integration Concepts
- **Soft Skills:** Problem Solving, Teamwork, Communication, Adaptability

AWARDS & CERTIFICATIONS

- Silver Medal, I-New Gen Award 2025 – National Research Council of Thailand (Project: "TourGuard" AI Camera).
- CCNA Network Lab Professional – NetPrime Training (2025).
- Network Fundamentals for Network Adjacent Engineers (NETFND v1.0) Learn with Cisco
- Computer Programming (Intermediate & Advanced) – Mahidol MOOC.