



# SARANPHAT TREEPIEN

Interest in Network and Cloud Systems

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## PROFILE SUMMARY

Interested in computer networking, with good teamwork and communication skills. Passionate about designing, installing, and maintaining reliable network systems, and eager to learn new skills to support organizational growth.

## EDUCATION

2023 – Present Bachelor of **Computer Engineering**

Sripatum University, Bangkok

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.