



# SARANPHAT TREEPIEN

COMPUTER ENGINEERING GRADUATE

Interest in Network and Cloud Systems



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saranphat treepien

## TECHNICAL SKILLS

### • Networking

- - OSI Model, TCP/IP, IPv4 / IPv6
- - Routing & Switching
- - Cisco Technologies: VLAN, Trunk Tagging, SSH, Telnet
- - Spanning Tree Protocol (STP)
- - Network Configuration & Troubleshooting

### • Infrastructure & System Fundamentals

- Linux Basic Commands
- Virtual Machines
- System Integration Concepts

### • Database

- SQL, NoSQL, ER Diagram
- Basic Query

### • Tools & Technologies

- Cisco Packet Tracer
- Virtualization Tools
- n8n

## SOFT SKILLS

- Problem Solving, Teamwork, Communication, Adaptability

## EDUCATION

Sripatum University | Bangkok

2023–2026

- GPA 3.80
- Silver Medalist, I-New Gen Award 2025 (NRCT)
- Lead Developer, TourGuard Project

## PROFESSIONAL SUMMARY

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

## KEY PROJECT

### 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

### 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.

## 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).
- Computer Programming (Intermediate & Advanced) – Mahidol MOOC.

## LANGUAGES

- English  Good