MIN SI THU HTUT

Computer Engineering | Temasek Polytechnic

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LinkedIn | Portfolio

PROFESSIONAL SUMMARY

Computer Engineering student with real-world experience in IT support, web development, IoT, and AI/ML. Skilled at building dashboards, automating tasks, and solving technical problems. Looking for opportunities to apply my skills in meaningful tech projects.

WORK EXPERIENCE

IT Analyst (Part-Time)
Present

Green Garden Integrated Services Pte. Ltd.

- Built an interactive dashboard to track daily operations, job progress, and team performance
- Connected live data sources so managers can view workforce and resource updates in real time
- Helped develop AI agent prototypes and set up automation to cut down repetitive manual work
- Worked with the operations team to find process issues and suggest tech-based improvements

IT Intern (Student Internship Programme)
Official 4 Months + 2 Months Extension

Chye Thiam Maintenance Pte. Ltd.

- Provided desktop support for 50+ staff, including software setup, OS fixes, and hardware troubleshooting
- Fixed network and Wi-Fi problems across office and on-site locations, helping reduce system downtime
- Built real-time vehicle tracking dashboards using PHP, MySQL, and Leaflet.js for fleet monitoring
- Used UiPath to automate Excel and SQL reports, saving over 10 hours of manual work each week
- Researched cloud phone systems and created AI chatbot prototypes for internal use

EDUCATION

Diploma in Computer Engineering
2023 - 2026

Temasek Polytechnic

KEY PROJECTS

- **Smart Checkout Anti-Theft System:** Built a portable self-checkout prototype using 3 Raspberry Pis with barcode scanning, camera-based obstruction detection, YOLO object counting, and MQTT alerts when scanned and detected items don't match
- **Personal Finance Tracker App:** Created a mobile finance app to track income and expenses, with charts, budget tools, savings goals, Google login, and support for recurring transactions
- **Smart Home IoT System:** Used Raspberry Pi and Ubuntu to build a home monitoring system that tracks temperature, humidity, and pressure in real time
- **Recipe Sharing Web App:** Built a recipe sharing website using ASP.NET 5 with Blazor
- **AI/ML Models:** Trained models for predicting worker productivity and classifying images of musical instruments
- **Storm Analytics Dashboard:** Cleaned and visualized 50 years of global storm data using KNIME and Tableau

PARTICIPATIONS & ACTIVITIES

- Took part in the Lee Hsien Loong Interactive Digital Media Smart Nation Award 2026 at school level, building tech solutions for national challenges
- Presented my projects at the Temasek Polytechnic Open House, explaining them to prospective students and visitors

SKILLS

Technical: Python, Java, PHP, HTML/CSS, ASP.NET, MySQL, UiPath, Tableau, KNIME, Leaflet.js, Raspberry Pi, IoT, YOLO

Tools: Git, VS Code, Linux/Ubuntu, Docker, AI/ML Frameworks, Postman, phpMyAdmin, MQTT

Soft Skills: Teamwork, Communication, Problem-Solving, Punctuality

Languages: English, Burmese