Papop Lekhapanyaporn

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EXPERIENCE

Redcare Pharmacy | Working student — Aug 2023 - Present

- Developed an automation tool using **Python** to monitor and report frequent updates from Gematik regarding e-prescriptions, and to send notifications for key events, keeping the team informed and reducing manual effort.
- Set up a local testing environment using **Wiremock**, **Java**, and **Python** to validate E-prescriptions, and designed a tool to convert example templates into mock files for automated testing, reducing manual effort, enabling early compliance checks, and improving the overall testing workflow.
- Developed **Python** tools for data refactoring and bulk editing of E-prescriptions, including type conversion and field modifications, streamlining test case generation and accelerating development process.

EDUCATION

RWTH Aachen University | B.Sc Computer Science — Oct 2022 - Sep 2025

- **Thesis**: Benchmarked automated memory management techniques on **NVIDIA GH200**, revealing performance trade-offs under diverse memory patterns.

PROJECTS

Web Portfolio | Next.js Prisma.js Vercel — Jan 2023 - Present

- Developed and deployed a personal portfolio website using **Next.js** and **Prisma**, showcasing projects and skills; hosted on **Vercel**.

Secret santa | Next.js — Nov 2022 - Dec 2022

- Built and deployed a web app using **Next.js** to automate Secret Santa assignments with fair, non-repeating pairings.

Asclepius — ASL Translator | Next.js / Python / TensorFlow / OpenCV — Mar 2022 - Jun 2022

- Led a team of five to build a full-stack application for real-time American Sign Language (ASL) translation; **1st Place** at the **Microsoft APAC AI for Accessibility Hackathon 2022**.
- Developed and trained the gesture recognition model using **TensorFlow** and **OpenCV**, enabling accurate ASL-to-text conversion from webcam input.
- Built a **Next.js** frontend to capture user gestures and send image data to a Python backend for live inference and text output.

EXTRACURRICULAR ACTIVITIES

Interact Club | President, District Vice President — May 2020 - Mar 2022

- Led a student-run volunteer club supported by **Rotary International**; organized annual events and initiated collaborative community service projects with partner clubs.

TECHNICAL SKILLS

Language: Python, Java, Typescript/Javascript, HTML, CSS/SCSS, SQL, PostgreSQL, Sass

Framework: React, Next.js, Node.js, Prisma.js

Tools: Git, Github/Gitlab, Vercel, Linode, Digital Ocean

LANGUAGE

Thai: Native | **English**: C2 | **German**: C1