

# Papop Lekhapanyaporn

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## EXPERIENCE

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**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

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**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

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**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; **1<sup>st</sup> 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

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**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

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**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

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**Thai:** Native

**English:** C2

**German:** C1