

# NOPPARUJ POONSUBANAN

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## ABOUT

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Computer Engineering student passionate in automation, testing, and system development, with hands-on experience in machine learning applications, web development, and Linux administration.

## EXPERIENCE

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### Home Service Application

June 2023 - August 2023

*Sansiri (Mobile & Web Solution)*

*Bangkok, Thailand*

- Develop a system that can enable/disable the operation of services for each project
- Implement a real-time chat system between residents and real estate projects using Firebase

### Waste-Segregation Guide

June 2023

*Sansiri (Mobile & Web Solution)*

*Bangkok, Thailand*

- Design database structure using Microsoft SQL Server
- Implement APIs using ASP.NET core and deployed them as Docker containers
- Develop a comprehensive web application using Vue.js

### Parkinson's Diseases Patient Detection

August 2023 - Present

*Chulalongkorn University*

*Bangkok, Thailand*

- Utilize machine learning to screen for Parkinson's disease in a React web application
- Set up Google OAuth and cookie for authentication using Go REST API
- Using CI/CD pipelines with GitHub Actions for deploying a Docker image to Kubernetes

### Software-Defined Systems Project

November 2023

*Chulalongkorn University*

*Bangkok, Thailand*

- Develop a microservices-based web application for mathematical computations and deploy it as a Docker container using Ansible and Kubernetes on multiple Raspberry Pi devices
- Set up Linux monitoring system with Grafana

## SKILL

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### Programming Languages:

Python, C, C++, C#, Go, Java, JavaScript, TypeScript

### Frameworks and Libraries:

NumPy, Pandas, TensorFlow, Pytorch, React, ASP.NET

### Platforms:

Linux, Docker, Kubernetes

### Databases:

MySQL, PostgreSQL, MongoDB, Microsoft SQL Server

### Tools:

Grafana, GitHub Actions, Ansible

## EDUCATION

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### Bachelor of Computer Engineering

August 2020 - Present

*Chulalongkorn University*

*Bangkok, Thailand*

- Relevant Coursework: Data structure, Algorithm Design, Software-Defined Systems