# Jake Onquit

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## Education

**Diploma in Information Technology**     **Apr 2023 - Present**

Nanyang Polytechnic     Singapore

## Skills

**Programming Languages:** 🐍 Python, Js JavaScript, C# C#, HTML, CSS CSS, SQL SQL

**Tools and Frameworks:** FastAPI, Node.js, Express, .NET, React, Vite, Material UI, Git, Keras, Figma, AWS, MySQL, SQL Server

## Projects

**Shelfytics**, AI Applications     **Apr 2025 - Aug 2025**

- Trained an object detection model to count the number of SKUs on supermarket shelves
- Built an FAQ Chatbot for company policies using sentence-transformers, FAISS and Gemini
- Deployed the model and chatbot to a RESTful API and frontend application

**JewelRE**, Enterprise Development     **Oct 2024 - Feb 2025**

- Implemented Google Sign-in and TOTP Authentication for an e-commerce application
- Developed a backend server using .NET and frontend client using React, Vite, and Material UI
- Designed database schemas for customers and staff to use in SQL Server

## Co-Curricular Activities

**President**, NYP Mentoring Club     **Apr 2025 - Present**

- Fostered a community of over 300 NYP students who engage in academic coaching for children
- Lead an executive committee to plan 3 community service programmes and 3 workshops in our first semester
- Collaborated with external organisers to construct beneficial programmes for children aged 6-16 years old

## Competitions

**1st Runner Up**, NUS SNIG SHIFT Hackathon     2025

**2nd Runner Up**, NYP SIT Code Overflow Hackathon     2024

## Awards and Honours

**Director's List AY2024/2025 Semester 1**, Nanyang Polytechnic School of Information Technology     2024

## Certifications

**Certified Entry-Level Python Programmer**, Python Insitute     2023