

# SALVIO HA

Software Engineer

## Education

2024 - 2026

### Bachelor of Information Technology

- Macquarie University
- WAM: 92.25 | GPA: 7.0/7.0

2019 - 2023

### High School Certificate

- Cabramatta High School
- ATAR: 85.85

## Programming

- Python
- TypeScript
- Java
- MERN
- HTML | CSS
- Desktop Dev
- JavaScript
- Dart
- SQL
- Django | Flask

## Tools

- Git | GitHub
- React Native
- MongoDB
- Flutter
- Electron
- ChatGPT | AI
- Next.js
- Tailwind
- Docker
- Scikit-Learn

## Certification

### Hackathon: AI for Inclusion

- [Show Credential](#)

### CS50X | CS50P

- [Show Credential](#)

### Web Competition | NCSS

- [Show Credential](#)

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## Profile Summary

Technology-driven Software Engineer with 2+ years of experience in translating business requirements into software solutions. Proficient in desktop and full-stack development. Engages in the full software development lifecycle, supporting development, configuration, modification, and testing of business applications. Passionate about adopting new technologies through research and innovation.

## EXPERIENCES

### 07/2022 - Present

#### Greenie Web - Singapore

#### Software Engineering Manager / Director

- I managed projects and led a team of **30+** co-developers, with over **120** members involved over time, to design web and desktop applications that exceeded requirements by **150%** in terms of features and deadlines, and helped avoid **10** fatal issues before Greenie Web launched the product. Using **Next.js**, **Electron.js**, and **Flutter**, I developed **ecommerce websites**, a **Chrome extension**, and a **desktop application**. My leadership resulted in a **30%** increase in completion time, a **70%** improvement in code quality, and an average **45%** reduction in carbon emissions across all digital operations.

### 11/2023 - Present

#### GADS - Singapore

#### Tech Deputy Manager

- At Global Alliance for Digital Sustainability (GADS), my responsibilities include exploring innovative methods, collaborating with experts, and implementing strategies to promote eco-friendly practices within the digital realm. Additionally, I increased interaction with potential customers by **30%** and improved the contact ratio by **20%**.

## PROJECTS

### ○ TikGuard - 2024 TikTok TechJam

[Website URL](#) [Source Code](#)

- Developed TikGuard for the 2024 TikTok TechJam using **Python** and **Scikit-learn** to create a **machine learning model** for detecting and categorizing hate speech. We used **Jupyter Notebook** for data analysis and model training, and deployed on **Heroku** for scalability. Additionally, we built a **Next.js** website to demonstrate the ML model and other APIs, allowing public interaction and real-time demonstrations.

### ○ Futuris - Stock & Crypto Exchange

[Website URL](#) [Source Code](#)

- I create a mock Stock | Crypto Exchange, Futuris, that can let users to sign up and log in to their own Google account. I used **MERN Stack** to implement this project with frontend built in **React | JavaScript** and backend built with **Express.js** and **Node.js**. Futuris also empowered by **Tailwindcss** and **ChartJS** which improve the readability of the codebase by leveraging JS libraries.