

# ZULFAQAR HAFEZ

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## PROFILE SUMMARY

Data-driven Applied AI undergraduate at the Singapore Institute of Technology with a strong focus on transforming complex datasets into actionable insights. Experienced in leveraging Python, machine learning, and interactive dashboards to drive strategic decision-making in civic-tech and hackathon environments. Passionate about bridging the gap between technical data analysis and real-world community impact through visualization and storytelling.

## EDUCATION

**Singapore Institute of Technology (SIT)** Sept 2024 - Present

**Bachelor of Science (Honours) in Applied Artificial Intelligence**

- A multidisciplinary program combining machine learning, data analytics, and software engineering, designed to train industry-ready AI professionals. The curriculum emphasizes AI ethics, computer vision, natural language processing, and intelligent systems design, with practical exposure to real-world applications through capstone projects and industry collaborations.

**Republic Polytechnic (RP)**

Apr 2019 - May 2022

**Diploma in Business Information Systems**

## EXPERIENCE

**Product Manager (Citizen Developer), People's Association** Sept 2025 - Present

- Serve as Project Manager for *Churp*, a CIT-funded digital solution improving transparency and efficiency in community-garden plot allocation.
- Lead cross-functional collaboration between citizen developers, PA mentors, and technical volunteers to deliver project milestones.
- Oversee UI/UX validation and stakeholder communications to ensure alignment with civic engagement goals.
- Manage documentation, sprint planning, and deployment preparation for pilot testing in Tengah community gardens.

**Order Management Specialist Intern, Infineon Technologies**

Mar 2021 - Aug 2021

- Developed and deployed a Python-based web scraping system using Selenium and BeautifulSoup to automate semiconductor market data collection, reducing manual research time by 80% and improving accuracy of supply forecasts.
- Handled delivery note (DN) creation and coordinated with Customer Logistics Managers from Japan to ensure timely and accurate shipment processing across regional supply chains.
- Supported daily order management operations, assisting in documentation, scheduling, and communication between logistics and production teams to maintain on-time delivery performance.

## CO-CURRICULAR ACTIVITIES/COMMUNITY SERVICE

**President, SIT Magical Hearts** Jan 2025 - Present

- Act as the official spokesperson representing SIT Magical Hearts at university and partner organization events.
- Planned and executed club activities and community outreach programs, including "Magical Outreach Workshop" for elderly and special-needs beneficiaries.
- Increased active membership and volunteer participation by over 40% through improved event structure, publicity, and engagement.
- Lead a 4-member executive team in coordinating logistics, partnerships, and event scheduling across SIT campuses. Collaborate with SIT advisors and NGOs to align projects with community service and inclusion objectives.

## CERTIFICATES & SKILLS

- AI4I® Literacy in Artificial Intelligence, AI Singapore, 2024
- Skilled in applying machine learning, computer vision, and data analysis to real-world problems through tools like TensorFlow, scikit-learn, OpenCV, and Pandas. Experienced in developing predictive models, conducting exploratory data analysis, and deploying AI prototypes that support community innovation, social impact, and decision-making insights.

## **COMPETITIONS**

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### **Hack for City 2025 – SMU Smart City Society (Finalist)      Mar 2025**

- Developed a ResNet-based computer vision model for trash-type detection, integrating classification and visual analytics to support sustainable waste management initiatives. Delivered a functional prototype under time constraints while handling model development, data preparation and front end development.

### **Community Hackathon 2025 – Open Government Product (CIT-Funded)      June 2025 – July 2025**

- Served as Project Manager for *Churp*, a CivicTech platform improving transparency in community-garden plot allocation. Oversaw project planning, stakeholder engagement, and UI development, coordinating with PA mentors to deliver a polished prototype that secured S\$20,000 in CIT funding for continued development and pilot testing.