

# Muhammed Irshath

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## EDUCATION

### Singapore Institute of Technology

Aug 2023 – Apr 2027

- BEng (Hons) Information and Communications Technology (Software Engineering)

### Singapore Polytechnic

Apr 2018 – Apr 2021

- Diploma in Computer Engineering

## TECHNICAL SKILLS

- Programming Languages: C, C++, Java, Python, C#, Kotlin
- Web & Frameworks: HTML5, CSS3, JavaScript, Node.js, Flask, React, PHP, ExpressJS
- Database & Cloud: MySQL, Firebase, Google Cloud, MongoDB
- Tools & Platforms: Git, Docker, Cisco Packet Tracer

## WORK EXPERIENCE

### Student Developer (Contract), SIT | Singapore

Sep 2024 – Dec 2024

- Designed and implemented a responsive desktop interface using Python Tkinter, ensuring a seamless user experience
- Utilized MySQL to manage data storage and facilitate real-time updates
- Integrated Google Cloud services for secure backend operations and deployed the application on a cloud-based infrastructure
- Worked closely with Innovation and Technology Transfer (ITT) officers to iterate on designs and align deliverables with project objectives

### QA Engineer (Internship), EZ-Link | Singapore

Aug 2020 – Feb 2021

- Assisted in performing terminal certification testing and SAM (Secured Access Module) Key injection for merchant acquirers (NETs, Ingenico, Auresys, Mobile EFTPOS)
- Implemented Automation Testing project using Behavior-Driven Development (BDD) technique to enhance collaboration between developers, QA and business stakeholders
- Implemented Data Transfer Object (DTO) to facilitate communication between EZ-Link 3.0 system and test environment

## AWARDS AND ACHIEVEMENTS

- Founder Scholar – MTFA Founder Scholarship 2024, 2025
- 58<sup>th</sup> Section Commander Course – Singapore Civil Defence Force 2022

## CO-CURRICULAR ACTIVITIES

### Member | SIT Developers Club

Aug 2023 – Present

- Actively participates in networking events and hackathons to gain insights into emerging technologies