Muhammad Irfan Fahmi

Computer Engineering and Software Engineering
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Professional Summary

Computer Engineering background at UTeM with project experience across React and TypeScript interfaces JavaScript browser interactions Python integrations and Android release workflows. Brings technical troubleshooting experience and an interest in reliable understandable software.

Education

Universiti Teknikal Malaysia Melaka UTeM Bachelor of Computer Engineering with Honours
Oct 2022 to Nov 2026
Graduation scheduled for 2 November 2026.

Politeknik Port Dickson Diploma in Electronic Engineering Computer
Dec 2018 to May 2022

Kolej Komuniti Selandar Certificate in Computer Systems and Networking
Jul 2017 to Feb 2019

Technical Skills

Application development JavaScript TypeScript React Tailwind CSS Python browser events and application state.

Data and tooling SQL MySQL Git and GitHub Cloudflare release packaging and technical documentation.

Systems practice Android compatibility investigation device testing installation and recovery workflows hardware and software troubleshooting.

Selected Projects

SMC Crows and Android Release Engineering
Contributed to the SMC Crows community through Android compatibility investigation release packaging device testing and installation and account recovery guidance. Community distribution recorded 29594 download requests across all release and setup versions as of 22 October 2026. Counts include retries.

Mini Arcade and Interactive Web Applications
Built a React and TypeScript arcade with minimax based Tic Tac Toe penalty shootout and memory game interactions styled with Tailwind CSS. Explored game state transitions decision logic and touch and desktop interaction through a publicly accessible browser application.

Gesture Recognition and Touchless Reader
Converted MediaPipe hand landmarks into 71 dimensional features and a 100 tree Random Forest for browser inference in JavaScript. Implemented gesture navigation with cooldowns and virtual controls. Reported 98.6 percent cross validation accuracy. Not a real world user accuracy measurement.

Technical Experience

Technical Staff Global Elite Ventures Sdn. Bhd
Sep 2021 to Jul 2022
Technical troubleshooting and hardware and software deployment.

Contract Assistant Engineer ARNN Technologies and Karar Solution
Jun 2020 to Jul 2020
Engineering project support and technical problem solving.

Technician OKCS Seri Kembangan
Jun 2018 to Nov 2018
Diagnostics repairs hardware maintenance and software configuration.

Professional Registrations

BEM Graduate Engineer Computer branch. Approved 15 October 2026. Public directory.

MBOT Graduate Technologist Information and Communication Technology IT. GT26100872. Approved 22 October 2026.

Selected Training

Festo and STDC Industrial Automation with AI in Manufacturing 14 to 16 July 2026.

Cisco Networking Academy Enterprise Networking Security and Automation. Switching Routing and Wireless Essentials 23 February 2026. Course completions.

Languages

Bahasa Malaysia native. English professional working proficiency.