Fakhrul Fauzi

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EDUCATION

- **Universiti Teknikal Malaysia Melaka (UTeM)** — Malacca, Malaysia
  Bachelor of Computer Engineering with Honours; CGPA: 3.50 — *Sep 2021 - Present*
  Courses: *Data Structures and Algorithm, Artificial Intelligence, Digital Image Processing, Computer Vision and Pattern Recognition, Operating Systems, Computer Network and Systems, Embedded Systems, High Performance Computing*

SKILLS SUMMARY

- **Languages**: Python, Swift, C++, JavaScript, C#, HTML, CSS
- **Frameworks**: Scikit, TensorFlow, Flask, Create ML, CoreML, OpenCV
- **Tools**: GitHub, HuggingFace, Canva, Google Sites, ChatGPT
- **Platforms**: Docker, Firebase, NodeJS, Linux, Windows, macOS
- **Soft Skills**: Teamwork, Problem-Solving, Adaptability, Time Management

EXPERIENCE

- **SMK Electronics (M) Sdn Bhd** — On-site
  Engineer Intern (Internship) — *Jul 2024 - Sep 2024*
  - **Barcode Checker System**: Developed a software tool to enhance production's quality control.
  - **Vision System Enhancement**: Led a project to improve LCD Vision Inspection Checker machine.
  - **Production Engineering Support**: Assisted engineers in troubleshooting and maintaining production equipment.
- **MFH Dagang Resources Sdn. Bhd.** — Remote
  Content Creator / Digital Manager (Freelance) — *Jan 2025 - Present*
  - **Social Media Content Creation**: Designed promotional campaigns for an event space to boost brand visibility and client engagement.
  - **Website Development & Digital Branding**: Built and maintained a professional, user-friendly website to showcase event space offerings.
  - **Client Inquiry Management**: Acted as the primary point of contact for client inquiries.

PROJECTS

- **smAIrtColorizer - Image/video colorization using deep learning (Image Processing, Deep Learning, Mobile App Development)**: (Work in progress) An iOS application for image and video colorization that leverages deep learning to transform historical grayscale media into vibrant, colorized outputs. Tech: Python, Swift, Flask, TensorFlow (November '24)

- **QuranicJar - Quranic verses recommendation using NLP (Natural Language Processing, Mobile App Development)**: An iOS app that predicts emotions using NLP natively from user input and provides relevant Quranic verses for guidance. Tech: Swift, CoreML, Create ML (March '25)

- **RasaRadar - Malaysian foods classification (Computer Vision, Machine Learning, Mobile App Development)**: (Work in Progress) An iOS application that helps users discover and classify Malaysian foods using CoreML and Vision frameworks. Tech: Swift, CoreML, Create ML (March '25)

- **STM32 AI - AI integration on embedded systems (Embedded Systems, Machine Learning)**: Integration of advanced AI models with resource-constrained and low-powered embedded systems for real-time image recognition. Tech: Teachable Machine, STM32Cube (April '24)

- **Hues of Old Malaya (Web Development)**: An interactive website showcasing my final year project on Automatic Image Colorization using Deep Learning Architectures. Tech: HTML, CSS, JavaScript (Apr '25)

HONORS AND AWARDS

- Bronze Medal at UTeM's Innovation & Technology Competition, INOTEK (Series II) - June, 2024
- Dean's List for 4 consecutive semesters at Faculty of Electronics & Computer Engineering UTeM - Jan, 2024
- 3-Stars Distinguished (Icon) on UTeM's TUAH Index - April, 2025

CERTIFICATIONS

- **IBM Machine Learning Specialization** — Issued Apr 2025
  IBM

- **My5G Ericsson Malaysia Pioneers Programme** — Issued Apr 2025
  Ericsson

- **Microsoft AI for MY Future** — Issued Apr 2025
  Merdeka Academy

- **Cyber Threat Management** — Issued Apr 2024
  Cisco