

ZULHILMI FAIZ BIN ZAINAL ALAM

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SUMMARY

Computer Science graduate specializing in Data Science, with hands-on experience in data analytics and reporting through industry internships.

SKILLS

Data & Analytics: Power BI, Tableau, Excel, Data cleaning, Data visualization

Programming & Development: Python, R, SQL, React, Node.js, PHP, Java, HTML/CSS, Laravel

Machine Learning & Computer Vision: PyTorch, TensorFlow, TorchVision, Ultralytics, OpenCV

Languages: Malay (Native), English (Professional)

EDUCATION

Bachelor of Computer Science (Honours)

Apr 2021 – Aug 2025

Multimedia University (MMU)

Specialization: Data Science — CGPA: 3.1

Diploma in Information Technology

May 2018 – Jan 2021

University Malaysia of Computer Science & Engineering (UNIMY)

Specialization: Cyber Security — CGPA: 3.23

PROFESSIONAL EXPERIENCE

Data Analyst Intern

Aug 2024 – Oct 2024

Malaysia Aviation Group (MAG)

- Analyzed operational and performance data to support internal reporting and decision-making across multiple teams.
- Prepared, cleaned, and transformed datasets using Excel and SQL through dataflows, ensuring structured and analysis-ready data for reporting.
- Built and maintained Power BI dashboards and reports, improving data accuracy, consistency, and reliability.
- Resolved data quality and reporting issues, reducing inconsistencies and improving confidence in analytical outputs.

Engineering IT Intern

Oct 2020 – Jan 2021

Daikin Research & Development Malaysia Sdn Bhd

- Supported analysis of technical issues related to hardware and software performance across office systems.
- Applied troubleshooting techniques and system diagnostics to resolve user-reported issues efficiently.
- Improved system availability and workflow continuity by minimizing downtime through timely technical support.
- Provided business value by ensuring smooth IT operations and developing a custom web-based system to streamline departmental processes.

PROJECTS

Bachelor Degree Final Year Project (FYP)

Oct 2024 – Jul 2025

Road Bump Detection for Improved Driver Safety Using Deep Learning

- bachelor-fyp-portfolio.vercel.app -

- Investigated visual road data to detect road bumps, focusing on improving driver safety and ride comfort.
- Developed and evaluated deep learning models (YOLOv11, SSD, Faster R-CNN) using Python, PyTorch, and computer vision techniques.
- Improved detection performance metrics (precision, recall, mAP) through model tuning.
- Demonstrated potential business value through applicability to ADAS systems and intelligent transportation solutions.

Diploma Final Year Project (FYP)

Mar 2020 – Sep 2020

Information System Development for Mental Health & Domestic Violence

- Examined information accessibility needs related to mental health and domestic violence awareness.
- Designed and developed a web-based information system using fundamental web technologies and structured data storage (HTML, CSS, PHP, MySQL Database).
- Improved usability and information accessibility through clear content organization and user-focused design.
- Delivered social value by providing a reliable digital platform for sensitive and important public information.