Danial Thaqif Bin Mohamed Fikri

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ABOUT ME

Computer Science graduate with practical experience in full-stack web development, data analysis, and AI integration. Developed and deployed real-time applications, automated workflows, and intelligent systems during academic and industry projects. Skilled in programming languages like PHP, Python, and Java, frameworks like Laravel and Flask, and AI tools such as TensorFlow and NLTK, with a proven track record of contributing to efficient, scalable solutions in collaborative environments and actively advancing expertise in emerging technologies through hands-on project work.

EDUCATION

Bachelor of Computer Science (Hons.) – Big Data   Mar 2023 - June 2025

Universiti Teknologi Mara (UiTM), Shah Alam

- Current CGPA: 3.39
- Relevant Courses: Software Engineering, Data Structures, Algorithm Analysis and Design, Enterprise Programming, Dynamic Web Application, Database Engineering, Data Mining, Data Visualization, Artificial Intelligence
- Awards & Honors: Dean's List (1 out of 3 Semesters)
- Activities and Societies: Young Officer of Komander Kesatria, Program Director of International Webinar, Participant in Kayak Expedition (30KM at Pulau Pangkor), Member of Student Leadership and Youth Development Programs

Diploma In Computer Science   Oct 2020 - Feb 2023

Universiti Teknologi Mara (UiTM), Kuala Terengganu

- Total CGPA: 3.59
- Relevant Courses: Object Oriented Programming (Java), Visual Programming, Introduction to Web and Mobile Application, Introduction to Database, Introduction to Probability and Statistics, Discrete Mathematics
- Awards & Honors: Dean's List (4 out of 5 Semesters)
- Activities and Societies: Komander Kesatria Member (Commanding Officer for Terengganu, Awarded Terengganu Branch Best Komander)

WORK EXPERIENCE

Data Science and Artificial Intelligence Intern   Mar 2025 - June 2025

Aga Touch Sdn. Bhd., Shah Alam

Skills obtained: Laravel, Flask, Streamlit, Python, REST API, Cloudflare Workers, NLTK, spaCy, Hugging Face, LLM APIs, n8n, Google Sheets, Label Studio, AutoRAG, TailwindCSS

Description:

- Created a document-based chatbot using Cloudflare Workers, Python, and REST API, automating over 70% of support queries.
- Launched a real-time project tracking tool with Gantt chart and matrix views via Streamlit, enhancing team efficiency by 30%.
- Built and integrated 2 web applications using Laravel and Flask for internal tools and data visualization.
- Extracted and analyzed raw data from 5+ online sources using NLTK, spaCy, and Hugging Face for insights and campaign research.
- Applied Named Entity Recognition (NER) techniques to identify and classify 200+ keywords, aiding message targeting.
- Experimented with LLM APIs for creative generation tasks, including image and video prototyping.
- Automated workflows through n8n, linking Google Sheets and Cloudflare, reducing reporting effort by 40%.
- Collaborated across project teams to support AI-driven content strategies used in final stakeholder presentations.
- Labeled highway infrastructure features from frame-by-frame video annotation to build a structured dataset for AI training, processing over 3000 frames using Label Studio.

Khazanah Youth Development Programme (K-Youth)   Aug 2024 - Sep 2024
Khazanah Nasional Berhad, Kuala Lumpur

Skills obtained: Technical competencies, Analytical competencies

Description:

- Completed 129 hours of intensive training in industry-relevant skills through online modules.
- Scored a 100% pass rate in assessments, demonstrating proficiency in technical and analytical competencies.

Web Design and Digital Marketing Internship   Sep 2022 - Feb 2023
Tycoon IM Sdn Bhd, Puchong

- Gained 5 months of hands-on exposure to WordPress website development and digital marketing operations.
- Assisted in revamping 3 WordPress-based websites, improving site usability and responsiveness.
- Delivered high-quality design work across multiple projects, contributing to client satisfaction and timely launches.
- Executed SEO optimization across 4+ pages, enhancing search visibility for company content.
- Ran 5+ full-cycle marketing campaigns, helping to boost user engagement and online reach.

PROJECTS

Customer Emotion Recognition Application (Final Year Project)   Mar 2024 - Jan 2025

- Engineered a Python-based emotion recognition system with TensorFlow and CNNs, achieving 94% validation accuracy and 92% test accuracy across 35,000+ image samples.
- Integrated real-time facial analysis into a user-friendly app to assist supermarket staff in customer service personalization.

Crowd Funding System Web Application   Nov 2023 - Jan 2024

- Developed a web application for online grocery shopping using Object-Oriented Programming (OOP) principles.
- Utilized Java full-stack with Spring Boot, JSP, and CSS for the frontend, JavaBean for class functions, Java Servlet for the backend, and Java DAO for SQL integration with a Derby JDBC driver database.

CORSX Malaysia Online Store System   Mar 2022 - Aug 2022

- Programmed a full-stack e-commerce system using PHP and Oracle SQL Developer for inventory and order management.
- Delivered a user-friendly interface and backend dashboard, supporting 3 types of user roles and streamlining operations.

SKILLS

- Programming Languages: C++, Java, Python, PHP, SQL, CSS, JavaScript
- Web Development: WordPress, Figma, HTML, Bootstrap, Tailwind, Streamlit, Laravel, Flask, MySQL, Node.js, Full-Stack (derived from experience), Springboot (implied by Java/web focus), JSP (implied by Java/web focus)
- Tools & Platforms: Jupyter Notebook, Git/Github/Git Lab, Oracle SQL Developer, Cloudflare, Label Studio, PowerBI, Weka, VS Code
- AI & Machine Learning: NLTK, spaCy, Hugging Face, Named Entity Recognition (NER), LLM APIs, AutoRAG, TensorFlow, Keras, PyTorch, CNN, Scikit-learn, OpenCV, Pandas, LLM, NER, API, RestAPI
- Soft Skills: Leadership, Communication, Teamwork, Multitasking, Problem-Solving, Critical Thinking
- Languages: Malay (Native), English (Intermediate), Japanese (Basic)

LICENSES & CERTIFICATIONS

- **Cybersecurity Basics** – edX
- **Microsoft Certified: Azure AI Fundamentals** - Microsoft