Muhammad Aiman Hakimi Bin Mohd Nizam

Bandar Seri Jempol, Negeri Sembilan

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Professional Summary

High-achieving Computer Science graduate (CGPA 3.61) combining a strong academic foundation in Software Development with practical proficiency in Data Analytics. Currently completing an IT internship within the public sector, demonstrating versatility in hardware troubleshooting, asset management, and ICT compliance. Seeking a Protégé or Graduate Trainee position to leverage proficiency in Python, Power BI, and IT Operations, with the technical readiness to contribute to coding, automation, or data-driven initiatives.

Educational Background

Bachelor of Computer Science (Hons.) (CGPA: 3.61)   **October 2022 – Expected January 2026**
Universiti Teknologi Mara (UiTM) - Jasin, Malacca
- Relevant Coursework: Data Structures, Object-Oriented Programming, Algorithm Analysis and Design, Database Design & Development, Operating Systems, Software Engineering Principles.

Negeri Sembilan Matriculation College (KMNS) – Kuala Pilah, N.Sembilan   **August 2021 – May 2022**
Foundation in Computer Science Program (Module 3)
- CGPA: 3.88 | MUET: Band 4.0
- Relevant Coursework: Computer Science, Science Mathematics, English

Work Experience

Majlis Perbandaran Jempol (MPJ) | IT Support Intern

September 2025 – Present (Completing December 2025)

- **Infrastructure Optimization:** Spearheaded a legacy system migration initiative, upgrading workstation storage (HDD to SSD) which successfully reduced system boot times by ~80% (from 3 minutes to <30 seconds).
- **IT Security Compliance:** Executed security protocols in strict adherence to *Dasar Keselamatan ICT (DKICT)*, including manual antivirus definition updates and enforcing physical access controls.
- **Multimedia Documentation**: Served as the official technical documentarian for council events, operating video recording equipment to ensure accurate documentation of proceedings for organizational records.
- **Technical Support:** Provided Tier-1 diagnostic support for hardware and printer malfunctions, systematically isolating issues (OSI Model approach) to minimize operational downtime.

Technical Skills

- **Programming Languages**: Python, Java, C++, C (intermediate), JavaScript (intermediate), HTML/CSS.
- **AI & Data Science**: BERT (NLP), Stable Diffusion, scikit-learn, Pandas, NumPy, Matplotlib, Jupyter Notebook, Microsoft Power BI, Microsoft Fabric, feature engineering, model tuning, data visualization.
- **Web Development:** Flask, RESTful API integration, Postman.
- **Databases**: SQL, MySQL, XAMPP, phpMyAdmin.
- **Tools & Platforms:** Git, GitHub, VS Code, MatLab, Microsoft Excel, Word, PowerPoint (intermediate), Access (intermediate).
- **Languages**: Malay (Native), English (Proficient), Arabic (Basic).

Projects

Text-to-Image Interior Design Generator with Generative AI Assistance
- **Tech Stack**: Python, Flask, BERT (NLP), Stable Diffusion.
- Developed a full-stack web application that converts natural language user prompts into high-quality interior design visuals using Generative AI.
- Implemented BERT models to parse prompts and integrated Stable Diffusion for image inference, evaluating quality using the Fréchet Inception Distance (FID) metric.

Scam Vulnerability Prediction Model

- **Tech Stack**: Python, Scikit-learn, Pandas, NumPy.
- Engineered a Random Forest classifier achieving 91% accuracy in predicting user vulnerability to online scams based on large-scale survey data.
- Performed rigorous data cleaning, feature selection, and hyperparameter tuning to optimize model performance.

Certifications

- Microsoft Learn Data Analytics & Power BI Path – Microsoft (Oct – Nov 2025).
  - Completed modules including End-to-end Analytics with Microsoft Fabric, Copilot in Power BI, Data Modelling, and AI Concepts.
- Powerful Data Analysis & Data Modeling in Excel – HRD Corp e-LATIH (Sept 2025).
- Cyber Security: Steps to Prevent a Web Hacker – HRD Corp e-LATIH (Sept 2025).
- Associate Data Scientist & Data Analyst Associate – DataCamp (2024)

Co-Curricular & Achievements

- **Melaka Data Hackathon (National Level) – (November 2024)**:
  - Developed an AI-driven data solution under time constraints, demonstrating rapid prototyping and teamwork.
- **Top Coders Challenge (University Level) – (November 2024)**:
  - Competed in algorithmic problem-solving challenges organized by UiTM Data Science Association.
- **Committee Member**:
  - SULAM Project for Ethics in IT (2025) & Persatuan Bulan Sabit Merah (2024).
- **Deputy Exco of Multimedia:**
  - PEERs Club (2024).
- **College Representative Committee (JPK):**
  - Member (2023).

Soft Skills

- Technical Troubleshooting, End-User Communication, Documentation, Adaptability, Problem Solving

References

References available upon request.