

MUHAMMAD KHAIRUL AIMAN BIN AHMAD FAIZA

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SUMMARY

A proactive Software Engineering graduate with robust experience in software development and a solid grasp of software engineering principles. Skilled in multiple programming languages and frameworks, with a proven track record of delivering impactful solutions independently and as part of a team. Seeking a challenging role in software development where I can leverage my technical skills and contribute to innovative projects in a dynamic team environment.

WORK EXPERIENCE

- Intel Corporation, Kulim**
Software Engineering Internship

July 2024 – Present

 - Implemented tailored IT solutions for the Test Engineering department, optimizing workflows and integrating OEE metrics, leading to a 60% enhancement in workstation quality.
 - Develop a web-based dashboard with Flask Python for real-time monitoring, boosting workstation productivity by up to 80% through improved oversight and data-driven insights.
- Star Fortune Global, Permatang Pauh**
Computer Science Internship

Jun 2021 – August 2021

 - Managed the company's Facebook page and produced appealing content. Enhanced audience engagement by introducing weekly posters for "Fun Fact Friday" and "Wiki Wednesday".
 - Produced eye-catching event posters that improved the company's online presence. Achieved a remarkable rise of 195.2% in post engagement, 346% in page visits, and 193.2% in page followers.

EDUCATION

- Universiti Tenaga Nasional, Putrajaya**
Bachelor of Computer Science (Software Engineering) (Hons.)

2022 – 2024

 - CGPA: 3.71
- Universiti Tenaga Nasional, Putrajaya**
Diploma in Computer Science

2019 – 2022

 - CGPA: 3.83

PROJECTS

- Bachelor's Degree Final Year Project**
SGH: Seri Gemilang Hub

 - Developed a dynamic web application using Laravel and Bootstrap to streamline school operations and improve administrative efficiency.
 - Implemented key features for user management, real-time student attendance tracking, teacher location updates, and an interactive notice board, significantly enhancing the overall management of school activities.
- Machine Learning Project**
Customer's Purchasing Intention

 - Developed and optimized machine learning models using Random Forest, Logistic Regression, and K-Nearest Neighbors, applying hyperparameter tuning for improved accuracy.
 - Assessed model performance with metrics and visualizations, including confusion matrices and feature importance, to deliver actionable insights.
- Mobile Application Development Project**
NutriTrack

 - Developed a mobile application using Xamarin, enabling students to select affordable and nutritious meals on campus while tracking their meal expenditures.
 - Integrated Google Firebase to provide reliable and efficient database functionality, ensuring smooth data management within the NutriTrack app.

Diploma Final Year Project

UnitenQuest

- Developed an intuitive web-based event management system using PHP, HTML, JavaScript, and CSS, enhancing event awareness and student engagement at UNITEN.
- Implemented MySQL for efficient data management, ensuring reliable access and smooth operation of the UnitenQuest system.

VOLUNTEER AND PARTICIPATION

Short Film Production | Quarterly Factory Committee | INTEL

August 2024

Main Actor | Cameo | Cameraman

- Portrayed the lead role in the SIMS film, significantly contributing to the creative direction and storytelling, ensuring the project's message was effectively conveyed.
- Served as both cameraman and cameo in the Merdeka film, capturing high-quality footage that vividly portrayed the spirit of the celebration and created a visual narrative that resonated with the audience.

STEM Workshop | CSR | INTEL

August 2024

Facilitator

- Volunteered as a facilitator for a STEM workshop at SMK Taman Selasih, Kulim, guiding students in assembling a DIY Car Kit and providing hands-on experience that connected classroom theory with real-world application.
- Engaged students with interactive learning, sparking interest in STEM fields and encouraging a deeper understanding of engineering principles.

Bantuan Kasih Al-Kausar | CSR | UNITEN

December 2022

Head of Public Relations

- Managed and carried out the "Bantuan Kasih Al-Kausar" CSR initiative, which raised a significant amount of RM6546 to support 35 children in Rumah Bakti Al-Kausar, Bangi.
- Arranged an educational trip to Aquaria KLCC, Kuala Lumpur, giving the kids a special opportunity to study and explore a new environment.

Canva Workshop | CSR | UNITEN

September 2022

Head of Public Relations

- Volunteered an exciting Canva workshop, dedicating 6 hours to mentor 158 students at SMK Subang Bestari, Subang Jaya.
- Utilized an interactive and dynamic teaching strategy to improve students' understanding and useful application of Canva features.

Programming Club (PRO-C) | Committee | UNITEN

2020 – 2021

Multimedia and Marketing Committee

- Successfully organized and carried out 2 workshops monthly.
- Created and implemented creative concepts for marketing materials, greatly improving the club's visual brand and encouraging greater participation.

SKILLS

- Programming: Python, PHP, Java, C, C++, C#, HTML, JavaScript, CSS
- Framework: Flask, Laravel, React.js, Xamarin, .NET, Bootstrap
- Database: MySQL, SQL, Google Firebase
- Software Tools: Power BI, Power Automate, Visual Studio Code, Sublime, Jupyter Notebook, NetBeans, Google Colab, Figma
- Version Control: Git
- Spoken Languages: Malay (Native), English (Fluent)

REFERENCES

Jefferi Bin Mazdi

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