MUHAMMAD KHAIRUL AIMAN BIN AHMAD FAIZA

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SUMMARY

As a dedicated Software Engineering graduate, I excel at developing impactful solutions that bridge innovation with real-world challenges. With a strong foundation in various programming languages and frameworks, I consistently deliver high-quality results, whether collaborating within a team or working independently. I am eager to apply my skills in a fast-paced software development role, contributing to innovative projects that advance technological development.

WORK EXPERIENCE

Intel Corporation, Kulim   **July 2024 – September 2024**
Software Engineering Internship
- Enhanced productivity in the Test Engineering department by implementing advanced data analysis techniques for real-time workstation performance monitoring. This analysis effectively identified bottlenecks and integrated productive metrics, leading to a 60% increase in workstation productivity and streamlined operations.
- Directed the development of a Python-based web dashboard that visualized the insights gained from the data analysis. The intuitive interface provided real-time tracking and reporting, enabling team members to make swift, informed decisions that enhanced production quality and minimized downtime.

Star Fortune Global, Permatang Pauh   **Jun 2021 – August 2021**
Computer Science Internship
- Initiated and implemented a targeted content strategy for the company's Facebook page to address low audience engagement. By introducing weekly campaigns like "Fun Fact Friday" and "Wiki Wednesday," I successfully boosted user interaction by 195.2%, significantly increasing engagement and enhancing brand visibility.
- Executed the creation of visually compelling event posters to tackle low online visibility. This effort resulted in a 346% increase in page visits and a 193.2% growth in followers, significantly enhancing the company's online presence and attracting new audiences.

EDUCATION

Universiti Tenaga Nasional, Putrajaya   **2022 – 2024**
Bachelor of Computer Science (Software Engineering) (Hons.)
- CGPA: 3.71

Universiti Tenaga Nasional, Putrajaya   **2019 – 2022**
Diploma in Computer Science
- CGPA: 3.83

PROJECTS

Bachelor's Degree Final Year Project
SGH: Seri Gemilang Hub
- Developed a web application to streamline school operations using Laravel and Bootstrap, enhancing administrative workflows and user management. The system enabled real-time attendance tracking and teacher whereabouts, leading to more efficient management processes.
- Facilitated the development of an interactive notice board feature, improving communication and engagement within the school community, directly benefiting daily operations.

Machine Learning Project
Customer's Purchasing Intention
- Managed a machine learning model to predict customer purchasing intentions, using algorithms such as Random Forest and Logistic Regression. My approach optimized model accuracy through hyperparameter tuning.
- Translated complex data insights into actionable metrics by implementing confusion matrices and visualizations, aiding in strategic decision-making.

Mobile Application Development Project
NutriTrack
- Initiated the creation of a mobile app, to help students choose nutritious meals while tracking expenditures. The app's intuitive design, built using Xamarin, provided a user-friendly solution for meal planning.
- Integrated Google Firebase to manage data efficiently, ensuring a seamless user experience through real-time updates and smooth database functionality.

VOLUNTEER AND PARTICIPATION

Short Film Production | Quarterly Factory Committee | INTEL   August 2024
Main Actor | Cameo | Cameraman
- Played a key role in the "What Next?" film, stepping into the spotlight as the main actor and embracing the opportunity to push beyond my comfort zone.
- Captured high-quality footage as a cameraman in the Merdeka film, crafting a visual narrative that highlighted attention to detail and the ability to convey complex ideas through media.

STEM Workshop | CSR | INTEL   August 2024
Facilitator
- Volunteered as a facilitator at SMK Taman Selasih, guiding students in assembling a DIY Car Kit. By employing my problem-solving skills, I effectively assisted students in overcoming challenges during the assembly process.

Bantuan Kasih Al–Kausar | CSR | UNITEN   December 2022
Head of Public Relations
- Coordinated a successful fundraising initiative that raised RM6,546 to support 35 children and organized an educational trip to Aquaria KLCC. This role demonstrated my strong project management skills, while my attention to detail ensured a well-executed and impactful event.

Canva Workshop | CSR | UNITEN   September 2022
Head of Public Relations
- Organized and facilitated a 6-hour Canva workshop for 158 students, using interactive teaching methods to enhance their design skills. By fostering collaboration and encouraging creativity, I helped students develop essential design competencies while demonstrating my effective communication and organizational skills.

Programming Club (PRO-C) | Committee | UNITEN   2020 – 2021
Multimedia and Marketing Committee
- Organized and executed two monthly workshops, demonstrating strong planning and coordination skills to ensure engaging and educational experiences for participants.
- Crafted and implemented innovative marketing materials that significantly enhanced the club's visual presence, driving higher engagement and participation among members.

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: Visual Studio Code, Sublime, Jupyter Notebook, NetBeans, Google Colab, Figma
- Version Control: Git
- Spoken Languages: Malay (Native), English (Fluent)

REFERENCES

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