MUHAMMAD AIDIL BIN MOHD AZMAN

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SUMMARY

I am a motivated and innovative fresh graduate with a Diploma in Electronic Computer Engineering, passionate about building a career in both web development and the Internet of Things (IoT). Skilled in HTML, CSS, JavaScript, C++, and C#, I have hands-on experience creating responsive, user-focused websites and solving complex technical challenges. With a strong foundation in both IoT and web technologies, I thrive in fast-paced environments and am committed to continuous learning and adapting to new industry trends. Born on March 8, 2002, I'm seeking opportunities that foster growth, collaboration, and professional development while contributing to innovative and impactful projects

WORK EXPERIENCE

WEB DEVELOPMENT

Peopleworks International Sdn Bhd

Front-end Development for Loan Website   Aug 2024 - Sep 2024
- Led a team to meet all website requirements, ensuring alignment with project objectives
- Coordinated discussions and developed user stories based on stakeholder input to guide the development process
- Managed platforms such as Google Drive, GitHub, and cPanel to facilitate team collaboration and workflow efficiency
- Monitored and reviewed the work of all team members to ensure timely delivery and quality control
- Developed the front-end of the website using HTML, CSS, and JavaScript, ensuring responsiveness and user experience

BigTac Sdn Bhd

UI/UX App Design for Mahkota Parade   Jan 2024 - Mar 2024
- Designed and developed a user-friendly parking app to enhance customer experience at Mahkota Parade
- Engaged in regular discussions with the team to revise workflows and ensure efficient functionality of the app
- Presented design concepts, progress updates, and workflow improvements to stakeholders for feedback and approval
- Created detailed flowcharts and user stories to map out all app features, user interactions, and ensure alignment with project goals

INTERNET OF THINGS (IOT)

BigTac Sdn Bhd

R&D Minimum Viable Product (MVP) 2 & 3   Jan 2024 - Jun 2024
- Installed and configured hardware components, including Arduino Uno, ESP32, and Raspberry Pi, for barrier parking systems
- Troubleshot and resolved coding and hardware issues, presenting detailed reports to stakeholders
- Conducted sensor testing across various scenarios to ensure product reliability and implemented enhanced security measures
- Designed circuit diagrams, schematics, and Gerber PCB designs, collaborating closely with PCB designers to optimize hardware
- Worked with app developers to resolve bugs and refine demo units
- Delivered final products for deployment at Mahkota Parade, Subang Parade, and Kulim Central for Boustead Holdings

BigTac Sdn Bhd

R&D Screen Advertisement for License Plate Recognition (LPR)   Mar 2024 - Jun 2024
- Implemented Raspberry Pi as a remote desktop solution for screen advertisement, using POE HAT+ for power and internet connectivity
- Engaged with stakeholders to present issues and propose solutions, ensuring smooth project execution
- Led project continuity, overseeing its progression to completion
- Analyzed and aligned advertisement platform and hardware requirements with project objectives

Own Business

IoT Projects for FYP Students   Jun 2023 - Sep 2024
- Developed IoT projects such as a Plant Monitoring System, Door Locking System, and Mailbox System for final year students
- Provided datasheets and documentation based on project requirements
- Designed schematic layouts for the systems
- Wrote and tested code using C++ and C#
- Modeled and developed prototypes according to customer specifications

EDUCATION

Diploma in Electronic Computer Engineering   2021 - 2023
Politeknik Merlimau Melaka

Mini Project:
- IoT racing car competition
- Mini billboard using Arduino UNO
- Mini Polyclinic database system

Final Year Project:
- Automatic corridor lights using motion sensor

Sijil Pelajaran Malaysia (SPM)   2019
SMK Taman Dato Harun
- Science stream

EXTRACURRICULAR

- Aisling Certificate in Public Speaking **2024**
- CIDB green card verified **2023 - 2024**
- Referee in IoT racing car competition **2022**
- Protege Majlis Perwakilan Pelajar (PMPP) Polytechnic Merlimau **2022**

ACHIEVEMENTS

- First place in IoT racing car competition **2022**
- Third place in eDIAS (final year project competition) **2023**

SKILLS & COMPETENCIES

- Iot controller (Arduino UNO, ESP32, ESP8266, and Raspberry Pi)
- Programming languages (C++, C#, Javascript, Java)
- Frameworks (HTML, CSS, NodeJS, ReactJS)
- Vision control (GitBash, Github)
- Database (MySQL)
- IoT communication protocols (MQTT, LoRa)
- Development software (Arduino IDE, VSCode, Github desktop, GitBash, Fritzing, Altium designer, SketchUp 3D, Cisco Packet Tracer, Microsoft Office)

- Proficient in facilitating communication between back-end and front-end systems
- Experienced in schematic and PCB design for optimal functionality
- Skilled in negotiation and conflict resolution
- Knowledgeable in deploying and managing servers on Digital Ocean
- Proficient in hosting solutions using Cloudflare and cPanel

REFERENCES

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Chief Operating Officer of Peopleworks International Sdn Bhd

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Project Executive of BigTac Sdn Bhd

MOHD FARIS BIN HASHIMUDDIN
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Academic Advisor Polytechnic