

MUHAMMAD AMIR SUFI BIN ZULKIFLI

FullStack Developer

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SUMMARY

I am a computer science graduate looking for a position related to Software Development and anything related. Experienced in machine learning, data-driven applications and software development, with hands-on work in OOP Paradigm, Python, cloud platforms, and automation.

SKILLS

Languages: Java, SQL, Python, JavaScript, HTML, C++, C, MySQL, Oracle, Lambda, Rust.

Technologies: Docker, Kubernetes, Spark, Hadoop, Hive, Arduino, Firebase, Flutter.

PROJECTS

python, nodejs	DeepFake Detection using MTCNN A System that MTCNN model to detect the face using alumentation and efficientnet B7 to train the model, it has accuracy of 95 percent
Firebase, Flutter	AI Driven Hydroponic Farming System A System that leveraging IOT sensors, Expert base engine to track and determine plant diseases and making it easier for beginner to start farm in the comfort of their home
mongoDB, python(Pyscript)	Data-driven Transaction Intelligence System leveraging data for intelligent insights into transactions, enhancing decision-making and operational efficiency.Created during my internship
Oracle, jhipster	Transaction Authorization System Transaction Authorization System ensures secure and efficient financial transaction approvals. Used by ASNB and Maybank with any transaction involving with vendor. Created during my internship
phyton	Mathematical Handwriting OCR Tool OCR tool transforming handwritten math into digital format for efficient mathematical content recognition.
Phyton	Automatic Trading Software Algorithmic trading software tailored for Bursa Malaysia, automating trades based on predefined algorithms.

EDUCATION

2023 - 2025	Bachelor in Computer Science Specialized in Big Data Elected as President of the Computer Science Club and worked as College Secretariat Officer	Universiti Teknologi MARA - Shah Alam
9/2020 - 3/2022	Diploma in Computer Science Held a position in Marketing and External Relations , engaging with industry partners and promoting student initiatives.	Universiti Teknologi MARA - Raub

ACHIEVEMENT

2024	MCMC Datathon 2024 Shortlisted to compete in preliminarily round with other 25 teams.
2024	Top 10 in USM Varsity Hackathon Won Consolation prize and competed with 285 other teams from over 30+ different countries
2024	HSBC Malaysia Bussiness Case Competition 2024 Shortlisted to compete with other university in malaysia (15 universities)
2023	President of Science Computer Club in faculty starting from october 2023, nominated as president of science computer club
2023	Top 10 in Hacktitude Competition top 10 group in software development out of 50 groups
2022	top 50 CIMB's Coding Competition top 50 in ad-hoc solution competition out of 5410 participants
2020	Google's Kickstarter Competition passed round A and B in kickstarter competition
2019	Taylorian's Code War participant of collegiate level programming while in secondary school with other SMKs

EXPERIENCE

10/2023 – 8/2024 **President Of Computer Science Club**

UITM Shah Alam

- Organized Day Market, a social event with an estimated **600 attendees**, fostering community engagement. Created booths for entrepreneurial activities, achieving a **300 percent** revenue increase, and collaborated with multiple clubs for a larger impact.
- Led a "LinkedIn Profile Workshop" with **60 participants**, serving as the MC and providing technical support to enhance students' professional networking skills.
- Hosted a Coding Competition, encouraging problem-solving and coding proficiency among students.

Team Leadership / Event Planning and Execution

6/2023 – 6/2024 **College Secretariat Officer**

UITM Shah Alam

- Served as **Technical Officer** for a **Web Development Workshop**, assisting in hands-on training and troubleshooting for participants.
- Facilitated a workshop for **50 students**, guiding them through structured learning and ensuring smooth execution of activities.
- Acted as **Digital Officer** for a **sports event** and a **get-together event**, managing digital assets, event registration, and online promotion.
- Oversaw technical operations as the **Technical Officer** for the **College Mandate**, ensuring seamless presentation flow and digital support.

Event Coordination / Technical Support / Digital Management

9/2022 – 3/2023 **Web Developer**

Permodalan Nasional Berhad - Internship

- worked on a project that utilized JHipster, an open-source development platform, and receive corporate training to enhance my skills.
- Developed an **in-house financial microservice** integrated with an **API Gateway** to streamline internal transactions.
- Automated **service updates** using a **CI/CD pipeline** with **Azure**, improving deployment efficiency.
- Created **custom SQL scripts** in **Microsoft SQL Server** for **caching and routing**, enhancing database performance.
- Authored **comprehensive API documentation** to facilitate seamless integration and maintenance.
- Upgraded a **legacy system** to a **newer framework**, optimizing **ASNB transaction lookup processing speed by 84%**.

Angular / Microsoft SQL Server

7/2022 – 9/2022 **DevOps Engineer**

HENGGE (Japan Branch)- Internship

- A part of team development using Python, Go, and/or TypeScript. This program also provided me with hands-on exposure to cutting-edge cloud platforms like Amazon Web Services (AWS), offering a comprehensive full-stack development experience.
- Contributed to **team-based development** using **Python, Go, and TypeScript**, working on scalable back-end services and cloud-native applications.
- Gained hands-on experience with **Amazon Web Services (AWS)**, deploying and managing applications using **EC2, Lambda, S3, and DynamoDB**.
- Implemented **infrastructure as code (IaC)** using **Terraform and AWS CloudFormation** to automate cloud resource provisioning.
- Optimized **CI/CD pipelines** to improve deployment efficiency, automating build, test, and deployment workflows with **GitHub Actions and AWS CodePipeline**.

Amazon Cloud Front / AWS

2/2020 – 12/2020 **Freelance Web Developer**

Freelance (Self employed)

- developed websites for a company that has ties with Toshiba using Vue.js and React
- Built a **Data Loss Prevention (DLP) system** using **Node.js** with **AES encryption** and **IP handling** to enhance data security and access control.
- Created a **finance chatbot** integrated with a **knowledge-based system** and **Retrieval-Augmented Generation (RAG)** using **OpenAI**, achieving **95% accuracy** in factual lookups.
- Designed a **course recommendation system** using the **TF-IDF method**, analyzing **questionnaire responses and SPM results** as parameters. Developed an **end-to-end ML model** using **Scikit-learn** and **NumPy**.
- Developed a **StayAwake application** to assist drivers experiencing **microsleep**, utilizing **YOLOv3** for real-time **computer vision** detection.
- Created a **dual-device inventory tracker** equipped with a **dashboard** powered by **buying power dataset analysis**. Implemented **Scikit-learn** for insights, using **Flutter** for mobile and **PHP** for the web interface.
- Engineered an **automatic plant monitoring system** using **ESP32, Arduino components, and Arduino Cloud**, enabling remote plant care automation.
- Developed an **automatic Skribbl.io client screen** using **WebSockets** to enhance user interactivity and gameplay automation.
- Implemented a **Shift Cipher encryption middleware library** using **C++**, ensuring an additional layer of data security in software applications.
- Created a **virtual tutor chatbot** powered by **GPT-3** with an **embedded LLM**, improving accuracy and comprehension for educational assistance.
- Built a **Speech Emotion Recognition (SER) system** using a **deep neural network (DNN)**, analyzing vocal patterns for emotional detection.
- Developed an **NBA player lookup system** with integrated **match winner prediction** based on **player statistics and performance metrics**.

Vue.js / WordPress

6/2019 – 8/2019 **Computer Science Teacher**

Freelance (Self employed)

- taught variety of topics, including programming paradigms, algorithms and data structures.
- Taught a variety of topics, including **programming paradigms, algorithms, and data structures**, tailoring lessons to students' learning levels.
- Assisted students with **SQL scripting** and **WordPress development**, helping them build dynamic and database-driven websites.
- Provided guidance on **Java programming**, covering **basic syntax, object-oriented principles, and problem-solving techniques**.
- Supported students in **debugging and optimizing code**, enhancing their understanding of best practices in software development.

PHP / PhpMyAdmin

LANGUAGES

English - C1, **Malay** - native, **Japanese** - JLPT N2, **Chinese** - HSK 3