

FARHANA AHMAD

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PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented software developer with 3+ years' experience in full stack development, API design, and AI-based solutions. Skilled in Java, Python, Spring Boot, and Flask, with hands-on experience in fintech systems and academic research. Published author and small business owner with proven ability to deliver real-world projects from concept to deployment.

PROFESSIONAL EXPERIENCE

FREELANCER

Private tutor, AI Coder

Sept 2024 – Present

- Provide personalized tutoring for SPM students in Computer Science subject
- Improved students' exam performance and confidence in coding concepts
- Develop AI-based solutions using Python, OpenAI APIs, and machine learning libraries
- Continuously learn and apply latest AI trends to real-world problems

MALAYAN BANKING BERHAD (MAYBANK)

Kuala Lumpur

Software Developer

Dec 2021 – June 2024

- Design and develop data-driven APIs using Java and Spring Boot for multiple projects, including Maybank external applications such as MAE, M2U, M2UBiz app, and internal applications like Salesforce and Foreign Exchange Administration (FEA) tracking software
- Provide end-to-end testing approach for services, encompassing unit, integration, and performance testing. Assist in SIT, UAT, deployment to production, and support until the final rollout of the application
- Possess a strong understanding of Fintech and Banking Domain
- Have experience with application/web servers such as JBoss and Tomcat Web Servers
- Work on the complete system development life cycle (SDLC)
- Collaborate with Strategic Programme leaders, Squad members, and Agile teams to prepare and execute a change delivery framework
- Build and maintain automation shell scripts in LINUX to automate data loading and ETL processes for critical EOD batch for the bank
- Support Government Payday every 25th of each month by monitoring server health using ELK, Dynatrace, Nagios, Grafana, and resolve any issues raised
- Experienced in developing complex PL/SQL queries, Procedures, Stored Procedures, and Views in various databases such as SQL Server, Oracle, and MySQL
- Familiar with design patterns like DAO, DTO, and Model-View-Controller
- Skilled in defect fixing and solving complex problems
- Have working knowledge of Git for source control and version management of all code and resources
- Appointed as a critical resources of the organization

EXXONMOBIL BUSINESS SUPPORT CENTER

Kuala Lumpur

Process & Automation Control, Internship

Apr 2021 – Aug 2021

- Developed a PowerShell script to automate the ETL process across different levels of internal networks separated by firewalls, utilizing Outlook macros mail to insert or update data from reports and pass it to a parameter of SQL Stored-Procedure as JSON files
- Automated the ETL process by creating an SSRS Report with a T-SQL Query sent via Outlook mail, along with a reconstructed SQL view of the database structure used as a data source for dashboards, resulting in ETL automation without human intervention
- Utilized Power BI to create various analytical visualizations depicting critical KPIs of application performance, along with slicers and dicers, enabling end-users to apply filters and deploy them in the report server for the Alert team

UNIVERSITY TECHNOLOGY MARA (UITM)**Research Assistant****Jasin, Melaka****June 2020 – Aug 2020**

- Collaborated with faculty supervisor and lecturers to successfully publish a research paper in the International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), which was awarded the Best Paper Award
- Led the collection, cleaning, labeling, and visualization of a dataset containing over 400,000 lines. Utilized Python web framework to develop a dashboard, which was integrated into the outcomes section of the research paper ([View Paper](#))

MEGA ADWORKS SDN. BHD.**Web Developer, Internship****Batu Caves, Selangor****Jul 2018 – Sept 2018**

- Served as the company's expert in creating Google AdWords campaigns integrated with new website builds, effectively increasing website clickstream and enhancing online visibility
- Developed a website for a non-profit organization utilizing HTML5, CSS, JavaScript, PHP, and WordPress, contributing to the organization's online presence and mission outreach
- Prepared comprehensive documentation for website proposals and created prototypes of applications to demonstrate to up to 3 clients. Collaborated closely with clients to gather system requirements and guidelines for site features and functionality, resulting in high levels of user satisfaction
- Monitored and resolved WordPress issues, reducing website downtime by 20% and enhancing overall user experience
- Successfully implemented eCommerce features on the company's website, resulting in a 25% increase in online sales

OTHER EXPERIENCE

FOUNDER – NARA e-book**Apr 2025 – Present**

- Created and sold digital products via Canva and online platforms
- Managed marketing, customer support, and content creation independently. Applied automation to streamline design-to-sale workflow
- Built and maintained a small customer base through Instagram and Shopee

EDUCATION

UNIVERSITY TECHNOLOGY MARA (UITM)
Bachelor of Computer Science (Hons.); Minor in Big Data
● CGPA: 3.87

Jasin, Melaka
2019-2021

UNIVERSITY TECHNOLOGY MARA (UITM)
Diploma in Computer Science
● CGPA: 3.85

Jasin, Melaka
2016-2019

SOFTWARE PROJECT & PUBLICATIONS

- **GitHub Repository:** [Github Link](#) (for more additional information on projects)
- **NGO Commercial Website** ([View Website](#))
 - Led, architected, and participated in designing, testing, and deploying a commercial website during the diploma internship period
 - Utilized: WordPress, HTML/CSS, PHP and MySQL
- **Journal of Electrical Systems (JES), 2024** ([View Published Paper](#))
 - Main author: Conducted data collection, preprocessing, model training, and results visualization
 - Paper accepted in Scopus-indexed journal (JES)
- **Sentiment Analysis of Malaysian Insurance Companies (SAMIC): A Visualization using Support Vector Machine Algorithm** ([Video Available here](#))
 - Developed web application to visualize Malaysia's best insurance companies
 - Built bilingual machine learning models for classification purposes built based on the datasets extracted from Twitter
 - Added real-time monitoring of tweets sentiment that uses the data processing infrastructure and sentiment analyzer to evaluate public sentiment changes in response to user search keywords
 - Utilized: Python, Flask, SQL Alchemy, Natural Language Processing, HTML/CSS
- **Java EE Project for Enterprise Programming Subject** ([View Project](#))
 - Created a web application with create, read, update, delete (CRUD) and search functionality based on a case study of a boutique in Shah Alam using the MVC framework
 - Utilized: MVC, Java EE, Oracle Database, HTML/CSS

ADDITIONAL INFORMATION

- **Skills:** C++, C#, Java, VB.Net and PHP (Programming Languages), Python, Javascript, JQuery, PowerShell, HTML/CSS (Scripting & Markup Languages), MongoDB, MySQL, Oracle, Microsoft SQL Server [Database Queries], Tableau and Power BI (BI Tools)
- **Languages:** Malay (Native), English (Professional)
- **Certificates:** Maybank NeXT, IBM Data Science Professional Certificate, MDEC-Intel AI Academy, Advanced Google Analytics, become a Python Data Analyst (HRDF e-Latih), Celcom Siswapreneur @ Google Bootcamp 2020, Advanced Statistics and Data Mining for Data Science (HRDF e-Latih), Learning SQL Server 2017 (LinkedIn @ExxonMobil Learning), Learning PowerShell (LinkedIn @ExxonMobil Learning), ExxonMobil Learning, Cyber Security Awareness (CSA 2020) (ExxonMobil Learning)
- **Awards:** Vice-Chancellor's Award (Bachelor), Vice-Chancellor's Award (Diploma), Merit of Achievement Special Award (FYP Virtual Innovation Competition 2021), Diamond Scholar Special Award (FYP Virtual Innovation Competition 2021), Top 5 Special Award (FYP Virtual Innovation Competition 2021), Gold Award (FYP Virtual Innovation Competition 2021), Silver Award (Breakthrough Invention, Innovation & Design Exhibition 2018)