



ABDULLA AL MAHIN KHAN

Cyberjaya, Selangor | +60 11-2806 1585 | mahinkhan554@gmail.com
| linkedin.com/in/abdulla-al-mahin-khan | github.com/Mahinkhan007

EDUCATION

2025 - Present

MULTIMEDIA UNIVERSITY, MALAYSIA

- Master's of **Engineering Science** (By Research)
- Concentrations: Distributed computing, Data Pipeline Design, ETL, **Deep learning**, Data Modelling and Data Visualisation, Python

2020 - 2025

MULTIMEDIA UNIVERSITY, MALAYSIA

- Bachelor of Engineering (hons) **Electronics** majoring in Computer
- GPA: **3.73 / 4.0**
- Concentrations: OOP, Computer architecture, Semiconductor, Microcontroller and microprocessors, DBMS, Software Engineering, Python
- FYP**: Developed a Flutter-based mobile application integrating Generative AI (GAN) techniques for language learning model (LLM) enhancements, showcasing the fusion of AI and mobile technology.
- Other Projects**: IoT based Smart farming and automated irrigation system and IoT based Smart Pet Feeding System

TECHNICAL SKILLS

- Data Pipeline Development** (ETL/ELT): Python, SQL, and Azure **Data Factory**.
- Cloud Data Platforms**: Microsoft **Azure Fabric**, Azure Data Lake Gen2, Azure Synapse Analytics, and Snowflake
- Database Management**: SQL Server, PostgreSQL and NoSQL systems, **T-SQL**
- Big Data & Distributed Processing**: Apache Spark and **Databricks**
- Visualization & Monitoring**: **Power BI** and Azure Monitor
- ML/DL** : **TensorFlow**, PyTorch, and Scikit-learn

CERTIFICATIONS

- Microsoft Azure DP - 900**
- Google Professional Data Analytics - Google
- IELTS - Band 8.0
- Board of Engineers Malaysia (BEM)- Graduate Member

PROFESSIONAL EXPERIENCE

Centre for Smart Systems and Automation (CSSA), MMU

Graduate Research Assistant

SEP 2025 - PRESENT

- Achieved 92% accuracy across 50K+ agricultural samples by engineering TensorFlow-based deep learning pipelines for real-time plant disease detection on Azure Cloud.

OCBC Bank

CRM Developer (Industrial Training)

JUL 2023 - OCT 2023

- Improved customer retention by 10% by building automated ETL pipelines and performing analytics using Python (Pandas, NumPy) and SQL.
- Engineered end-to-end CRM data flows to optimize onboarding efficiency through analysis of friction points and behavioral trends.
- Deployed secure and scalable Pega data packages by configuring roles, parameters, and privileges, enhancing system reliability and governance.

Code Ecstasy

Software Developer

AUG 2022 - JULY 2023

- Improved cross-platform efficiency by 30% through building **Flutter-based CRM applications** and managing **MySQL/Firebase databases** to synchronize 10,000+ client records, ensuring seamless data flow between frontend and backend systems.

Jobstreet Malaysia

Student Ambassador (Marketing lead)

AUG 2022 - JULY 2023

- Engaged over 3,000 students across Malaysia by organizing nationwide on-campus events and promotional booths, successfully onboarding 1,500+ students to the JobStreet platform (300% above KPI) while strengthening communication, marketing, and outreach skills.

PROJECTS

Real-Time Big Data ETL Pipeline on Databricks Using PySpark & DBT - Uber Dataset

- Built a real-time data pipeline using PySpark to stream, clean, and store Uber records in a bronze-silver-gold data lake architecture on Databricks, then modeled analytical tables in DBT using a star schema to enable fast, scalable reporting and insights.

AWARDS AND ACTIVITIES

- 6 Dean's List Awards (2025 -2026)
- IEEE MMU SB - Executive Secretary (2021 -2022)
- Engineering Society, MMU - Treasurer (2021 - 2022)
- Student Representative Council - Student Ambassador MMU (2023 - Present)