

Md Nazmus Sajid

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PROFESSIONAL SUMMARY

Microsoft Certified Analytics Engineer with 2+ years of experience leveraging Python, SQL, Power BI, and ML frameworks to deliver data-driven insights. Skilled in deep learning, LLM fine-tuning, and predictive modeling with strong problem-solving abilities. Driven to harness AI and data science for solving complex real-world challenges and optimizing decision-making processes.

WORK EXPERIENCE

Analytics Engineer

Flexiroam | Malaysia

June 2019 – August 2021

- **Detail-Oriented:** Conducted in-depth root cause analyses using Hubspot, focused on payment decision support, and achieved a 32% increase in conversion rates.
- **Data Documentation:** Provided guidelines for teams and standardized data formats so that non-technical stakeholders could access and use the data; accessibility optimization reduced error by 35%.
- **Problem Solving:** Created initial drafts of new guidelines and iteratively refined them based on customer feedback, resulting in an 80% improvement in customer policies.
- **Communication and Presentation:** Conducted around 10-12 weekly presentations explaining business strategies to stakeholders and documenting the outcomes.

CORE SKILLS

- **Data Analysis & Visualization:** SQL, Power BI, Tableau, Excel.
- **Programming & Modeling:** PyTorch, Tensorflow, ML, Regression, A/B Testing, LLMs, Hugging Face, Langchain.
- **Data Infrastructure and MLOps:** Microsoft Azure, MySQL, Oracle, PostgreSQL, Docker, CI/CD pipelines.
- **Collaboration & Communication:** Stakeholder engagement, Storytelling with data, Presentation skills.

EDUCATION

- Bachelor of Computer Science(Malaysia) **September 2015 - March 2019**
- Master of Data Science and Analytics (University of Calgary, Canada) **September 2021- January 2024**

PROJECTS

Predictive Modeling and Statistical Analysis of Cardiovascular Patient Admissions

- Conducted statistical and machine learning analysis on 15,757 patient admission records (Kaggle dataset), focusing on predicting **heart failure, acute kidney injury, and patient outcomes**.
- Applied **Logistic Regression, Random Forest, Gradient Boosting, LDA, QDA, PCA, and Classification Trees**, achieving **up to 99% accuracy for AKI prediction and 77% accuracy for heart failure prediction**.
- Built and validated models using **10-fold cross-validation**, optimizing feature selection and addressing multicollinearity, heteroscedasticity, and residual diagnostics.

Building Scalable Data Pipelines for E-Commerce Insights on Azure

- Designed and implemented an end-to-end cloud data pipeline using Azure Data Factory, Databricks, and Synapse Analytics, following the Medallion Architecture for structured Bronze, Silver, and Gold layers.
- **Automated ingestion and transformation of multi-source data** (MySQL, MongoDB, GitHub) into **Azure Data Lake Storage Gen2**, leveraging dynamic parameterization for scalability.
- **Optimized big data processing with PySpark on Azure Databricks**, performing complex joins, deduplication, and delivering curated datasets for analytics in **Azure Synapse**.

CERTIFICATIONS

- Microsoft Certified Power BI Data Analyst Associate
- Preparing for AWS Associate Data Engineer Certification