



# SYED MUHAMMAD IQBAL B. SYED ALI

Design Engineer / Data Scientist

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## PROFESSIONAL PROFILE

Motivated design engineer with a keen interest in the world of big data and analytics. Recognizing the immense potential of data-driven insights, I am seeking to make a career shift into big data roles. With a solid foundation in design engineering and a natural inclination towards problem-solving, I am confident in my ability to adapt quickly and utilize my analytical skills to extract meaningful information from complex datasets. I am eager to contribute to the dynamic and evolving field of big data.

Big Data Scientist scholar programme and certificate holder from Yayasan Peneraju. Able to operate effectively in a team, and contributing positively to team operations and working relationships.

### SOFT SKILLS

- Team Work
- Customer Service
- Time Management
- Organizational Skills
- Problem-Solving
- Adaptability

### HARD SKILLS

- Python, R
- Machine Learning algorithms
- Tableau, Giant, PowerBI
- Catia V5
- Microsoft Office 365
- Project Management

## PROFESSIONAL EXPERIENCE

### [Aptiv Malaysia Sdn Bhd]

Apr 2022 – Present

[Product Engineer]

- Lead in 3D wire harness design team for Asean region customers using CATIA V5 software.
- Managed ASEAN region's quality and cost while maintaining timing requirements.
- Collaborated with Aptiv China and India, Tata Technology UK and Vinfast engineering team to ensure quality and smoothness of projects.
- Conducted design evaluations prior to each production and development milestone.
- Responsible for executing planning and project management schedule together with customers, production and suppliers.

### [Perodua Manufacturing Sdn Bhd]

Nov 2014 – April 2022

[R&D Design Engineer]

- Design & develop interior parts with consideration of design engineering specification and cost optimization.
- Liaising with the Procurement and Vendor Department to improve on the Standard of Procedure (SOP) and vendor capability.
- Coordinating with production, QC and logistic on any issues for every project stage milestone while maintaining project timeline.
- Involved in cost planning from the beginning until mass production included cost reduction activities.
- Performed on-site field surveys and technical discussion problem analysis processes and design changes.
- Collaborated with Daihatsu and Toyota design team to ensure consistent quality across all regions.
- Verifying product for conformance as well as conduct quality specifications before product release.

## **[Courses]**

### ***[Digital Leadership, Yayasan Peneraju]***

- Expose to Big Data fundamentals
- Digital Communication
- Self-Mastery and Personal Effectiveness

### ***[Applied Data Engineer Associate, Fusionex Group]***

Modules and Hands-on Projects:

- ETL/ELT-Data preparation, exploration and transformation
- PostgreSQL
- Hadoop Architecture and Ecosystem-HDFS, Sqoop, Hive, Impala, Flume
- Data ingestion, management and processing with Hadoop
- Text Processing with Spark-Web Scrapping, Spark Data Stream
- Ingestion with Kafka and Sentiment Analysis
- Data Engineering and visualization with Fusionex GIANT

### ***[Applied Data Science Analyst, Fusionex Group]***

Modules and Hands-on Projects:

- Data lifecycle
- Python Programming – Pandas, Numpy, Matplotlib, Sci-Kit Learn and Natural Language Processing Tool Kit
- Exploratory Data Analysis (Statistical Method)
- Quantitative Technique for Hypothesis Testing
- Machine Learning :
  - Regression and Classification
  - Clustering – K-Means, DBScan
  - Forecasting – XGBoost
  - NLP and Sentiment Analysis
  - Recommender System – Apriori, SVD

### ***[Google Data Analytics and Python Crash Course, Coursera]***

Modules and Hands-on Projects:

- Collect data by using SQL - Sort and filter data using SQL queries. Convert data types using SQL functions
- Visualize data insights using Tableau and spreadsheet. Create presentations from data analysis results
- Build and create dashboards using Tableau.
- Create comprehensive reports in R Markdown.
- Explore and analyze datasets with spreadsheets – Clean, sort and filter data in spreadsheets
- Knowledge of R programming - Use the tidyverse package in R. Run scripts in RStudio and create data visualizations in RStudio.
- Essentials of Python programming, including syntax, data types, control flow, functions, OOP, error handling, modules/libraries, and practical project-based exercises

## **EDUCATION**

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- **[International Islamic University Malaysia]**  
*Bachelor Degree of Mechanical Engineering – CGPA : 3.11*
- **[MRSM Kuala Berang]**  
*SPM 2007 : 10A's*

Graduation: Oct 2014