

Mohammad Nazeerul Helmi Bin Abd Halim

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Result-oriented **Production Engineer** with 2 years working experience in glove manufacturing industry who makes decision driven by data whenever possible. Seeking to transition into a **Data Analyst or Engineer role** after taking **Fusionex Data Engineering Associate Program** under the sponsorship of Yayasan Peneraju.

Skills

- **Programming:** Python, SQL
- **Visualization:** Microsoft Excel, Microsoft Power BI, Tableau
- **Language:** Fluent in Bahasa Melayu and English

Certification

- Fusionex Data Engineering Associate Program by Peoplelogy (expected exam's result in late Nov 2022)
- Certification in Tableau by 365 Data Science November 2022
 - Introduction to Tableau [\[link\]](#)
- Certification in Power BI by DataCamp November 2022
 - Power BI Fundamentals [\[link\]](#)
- Certification in SQL by DataCamp October 2022
 - SQL Fundamentals [\[link\]](#)
- Certification in Python by DataCamp July 2022
 - Introduction to Python [\[link\]](#)
 - Intermediate Python [\[link\]](#)
- Certification in Data Analysis by CloudSwyft January 2022
 - Data Analysis: A Practical Introduction for Absolute Beginners [\[link\]](#)
 - Introduction to Data Analysis using Excel [\[link\]](#)
 - Data Visualization: A Practical Approach for Absolute Beginners [\[link\]](#)
 - Analyzing and Visualizing Data with Power BI [\[link\]](#)

Work Experience

Production Executive

GoodGloves Industries Sdn Bhd Dec 2021 – Present

- Perform analysis with team members to troubleshoot any quality issue in a timely manner resulting in a high Lot Acceptance Rate (LAR) of 97%
- Monitored production line parameters are within specification and are optimized
- Trained new employees on standard operating procedures (SOP) and use of machinery

Production Engineer

Dindings Poultry Processing Sdn Bhd Apr 2021 – Oct 2021

- Identified and improved liver quality performance from 25% to 47% by using a data-driven technique
- Implemented Predictive Maintenance for consumable spare parts based on machine manuals and changing records to maintain 90% of the machine's performance
- Prepared One Point Lesson (OPL) for the purpose of training and teaching operators

Production Engineer

Hartalega Sdn Bhd Dec 2019 – Mar 2021

- Improved data collection and presentation of daily glove rejection by checking and correcting the formula used resulting in an error-free Excel file
- Analyzed the data available for factors that contributed to the weight of the gloves and successfully achieved glove overweight -0.6% compared to 1.5% previously

- Planned manpower arrangement during stoppage which resulted in above 90% of production lines' availability
- Presented weekly glove overweight and rejection reports to the Production Manager using data visualization

Education

Fusionex Data Engineering Associate Program

Fusionex Group

Aug 2022 – Oct 2022

- Introduced and learned how to prepare data and create a dashboard using GIANT, a data visualization tools by Fusionex
- Exposure to variables, functions, libraries e.g., matplotlib, and structure in Python while writing some working examples using Jupyter Noteboook
- Gained insight into Big Data and Data Engineering fundamentals, ETL/ELT, HDFS, Sqoop, Hive, Impala, Pyspark, PostgreSQL, Python, Fusionex Giant, etc.
- Completed a project which involves uploading and retrieving a file into and from a database, implemented data pipelining to transform the data using Pyspark and Python, and lastly, created a dashboard for data visualization purposes

Bachelor of Science in Mechanical Engineering

University of Utah

Salt Lake City, Utah, U.S.A

2015 – 2019

- CGPA 3.569 / 4.0
- Deans' List for 5 semesters

Reference

Available upon request