

# 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

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

## Certification

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| • 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   | <a href="#">[link]</a>                    |
| • Certification in Power BI by DataCamp                           | November 2022                             |
| ○ Power BI Fundamentals   | <a href="#">[link]</a>                    |
| • Certification in SQL by DataCamp                                | October 2022                              |
| ○ SQL Fundamentals  | <a href="#">[link]</a>                    |
| • Certification in Python by DataCamp                             | August 2022                               |
| ○ Introduction to Python  | <a href="#">[link]</a>                    |
| ○ Intermediate Python   | <a href="#">[link]</a>                    |
| • Certification in Data Analysis by CloudSwyft                    | January 2022                              |
| ○ Data Analysis: A Practical Introduction for Absolute Beginners  | <a href="#">[link]</a>                    |
| ○ Introduction to Data Analysis using Excel                       | <a href="#">[link]</a>                    |
| ○ Data Visualization: A Practical Approach for Absolute Beginners | <a href="#">[link]</a>                    |
| ○ Analyzing and Visualizing Data with Power BI                    | <a href="#">[link]</a>                    |

## Work Experience

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### 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

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### **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

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Available upon request