Nazeerul Helmi Abd Halim

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Result-oriented **Production Engineer** with 3 years of working experience in the manufacturing industry who makes data-driven decisions. Experienced in data analysis, troubleshooting, and communicating with cross-functional teams to address quality issues and implement preventive and/or corrective actions.

Personal Project 🔗

Store sales overview   [link]
Tools used: Microsoft Excel, Tableau
- Performed exploratory data analysis (EDA) to gain insights on the sales of a store across United States.
- Created a dashboard to show the KPIs of the store's profitability for each state.

Netflix dashboard   [link]
Tools used: Microsoft Excel, Tableau
- Gained insights on movies and tv shows added to Netflix up until the year of 2019.
- Discover the trends of increasing quantity of movies and tv shows added as the year passes by.

Covid-19 World Data Exploration   [link]
Tools used: Microsoft Excel, Microsoft SQL Server
- Performed exploratory data analysis (EDA) to gain insights on the covid-19 cases.

Survey Taker Job Breakdown   [link]
Tools used: Microsoft Excel, Microsoft Power BI
- Performed data cleaning process while understanding the data.
- Created a dashboard using data visualization and gained insights on the several KPIs related to the topic.

Twitter Sentiment Polarity Analysis   [link]
Tools used: Pyspark, Python, Hive, Fusionex Giant
- Performed ETL process and implemented data pipelining process to transform the data for analysis using Pyspark and Python.
- Performed data cleaning of the data prior to creating a dashboard of the data using GIANT for data analysis and visualization purposes.

Work Experience

Production Engineer   Seremban, Negeri Sembilan
Goodgloves Industries Sdn Bhd   Dec 2021 – Present
- Performed analysis with team members to troubleshoot any quality issue in a timely manner resulting in a high Lot Acceptance Rate (LAR) of 97%.
- Collaborated with other departments for matters involving machines' capabilities and process parameters for process validation.
- Monitored production line parameters are within specification and are optimized.
- Improved production efficiency by analyzing and planning workflow, space requirements, and equipment layout.
- Trained new employees on standard operating procedures (SOP) and the use of machinery.

Production Engineer   Sitiawan, Perak
Dindings Poultry Processing Sdn Bhd   Apr 2021 – Oct 2021
- Collected data to identify ways of improvement, and successfully increased liver quality performance by 15%.
- Implemented Predictive Maintenance for consumable spare parts based on machine manuals and previous changing records and managed to achieve 90% of the machine's performance.
- Identified and implemented alternative measures within SOP to overcome unexpected breakdowns.
- Prepared One Point Lesson (OPL) for the purpose of training and teaching operators.

Production Engineer   Bestari Jaya, Selangor
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.
- Performed data analysis 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 for data visualization using Fusionex GIANT, a data visualization tools by Fusionex.
- Exposure to variables, functions, libraries e.g., matplotlib, and structures in Python while writing some working examples using Jupyter Noteboook.
- Gained insight into Big Data and Data Engineering fundamentals, RDBMS, ETL/ELT, HDFS, Sqoop, Hive, Impala, Pyspark, PostgreSQL, Python, Fusionex Giant, etc.

Bachelor of Science in Mechanical Engineering   Salt Lake City, Utah, U.S.A
University of Utah   Aug 2015 – May 2019
- CGPA 3.569 / 4.0
- Deans' List for 5 out of 8 semesters

Certification ✎

- Certification in Tableau   Nov 2022
  - Introduction to Tableau by 365 Data Science   *[link]*
- Certification in Power Bi   Nov 2022
  - Power BI Fundamentals by DataCamp   *[link]*
- Fusionex Data Engineering Associate Program by Fusionex   Aug 2022 - Oct 2022
  - Fusionex Certified Data Associate   *[link]*
- Certification in SQL   Oct 2022
  - SQL Fundamentals by DataCamp   *[link]*
- Certification in Python   Jul 2022
  - Introduction to Python by DataCamp   *[link]*
  - Intermediate Python by DataCamp   *[link]*

Skills

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