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OBJECTIVE

As a data-driven professional with expertise in both healthcare analytics and product reliability engineering, I am looking to advance my career by applying my skills in data analysis, statistical modeling, and process optimization. My goal is to contribute to innovative solutions that improve product performance and reliability in the manufacturing industry or enhance operational efficiencies and patient care in the healthcare sector. I am passionate about leveraging data to drive impactful decision-making and support organizational growth." These objectives showcase your adaptability and technical expertise, aligning with future roles that involve data management, analysis, and strategic decision-making

EXPERIENCE

4-Dec-2023 - Till
date

- **Product Reliability Engineer**

Cyient Ltd

As a Product Reliability Data Engineer for an Original Equipment Manufacturer (OEM)- Honeywell my role focuses on **collecting, analyzing, and managing data related to the reliability of products in the aftermarket**. This involves monitoring how products perform once they are sold and used by customers, **identifying trends in reliability**, and helping ensure that the **products meet quality and performance standards over time**.

Data Collection and Management: I gather **reliability data** from products in the field, often through sensors, service reports and Repair Shop(PDF,Excel ,CSV format).**Data Normalisation ,Cleaning and Importing the data In Database** (Oracle SQL)

Reliability Analysis:I analyze the collected data to **identify trends**, such as **frequent failures** or parts with shorter-than-expected lifespan using **Power BI statistical tools and methodologies like Weibull analysis ,Pareto Principle or life data analysis**, we assess product **reliability metrics like Mean Time Between Failure (MTBF), failure rates, and mean time to repair (MTTR)**. These insights help **predict future performance and improve product design**.

Aftermarket Support: My role also includes **managing and improving the reliability of products** already in the market.I work closely with the **customer service** or maintenance teams to address reliability issues, **track warranty claims**, and ensure that customers are supported if products do not meet expected reliability standards.

Continuous Improvement: Based on my findings, I collaborate with design, engineering, and manufacturing teams to **provide recommendations for improving product durability and reliability**. This helps **reduce future failures, enhance customer satisfaction, and optimize product performance in the aftermarket**.

My work as a Product Reliability Data Engineer plays a critical role in ensuring that the OEM's products remain reliable, competitive, and maintain customer trust over their lifecycle.

10-Oct-2022 - 1-
Dec-2023

- **Associate-Data Analyst**

WNS

As a Data Analyst in the **US Healthcare** department, my role would focus on managing and interpreting large datasets to support decision-making in various areas of healthcare operations, particularly financial performance and Claim Management.

Data Collection and Management: I gather data from different sources such as **electronic health records (EHR), claims data, patient information, and billing systems**. Ensuring **data accuracy, cleaning, and organizing data into structured formats suitable for analysis** would be a critical part of my work.

Analyzing Healthcare Data: Using **SQL** ,I analyze key metrics like **patient outcomes, service utilization, and financial performance**. This analysis could include examining **trends in patient admissions, average length of stay, treatment outcomes, or revenue cycle performance**, helping to identify areas for improvement or cost reduction.

Reporting and Visualization: Creating reports and dashboards to visualize healthcare data is another key responsibility.I used **Power BI & Excel** to present findings to stakeholders, including healthcare executives, clinical staff, and financial teams.These reports could **highlight trends, KPIs, and actionable insights** to help guide decision-making.

Ensuring Compliance and Supporting Quality Improvement: In a heavily regulated industry like healthcare, I have been involved in ensuring data-related processes were compliant with regulations like **HIPAA**. Additionally, I supports initiatives to improve patient care quality, optimize operational efficiency, or improve patient satisfaction.

My role as a data analyst would help bridge the gap between raw data and actionable strategies for improving healthcare service delivery and financial outcomes.

EDUCATION

2022

- **Singhanian University**
Bachelor in Science
8.4

2024

- **Top Mentors E-learning**
Masters in Data Analytics/ Data Science Program

SKILLS

- Data Management and Cleaning: Excel, Power Query & Pandas, SQL
- Data Visualization and Reporting : Tableau, Power BI & Python Libraries.
- Healthcare : Revenue Management Cycle
- Aftermarket Services : Product Performance Analysis
- Predictive Analysis, Forecasting and Warranty Analysis
- Optimization tool : Power Automate & VBA

PROJECTS

- **Envision Healthcare- Insurance Claim Management**

This Project used Patient Visit to their Hospitals at multiple States of US and Submit claim to their Insurance Providers on Behalf of Doctors/ Hospital who rendered the Service to the Patient. Our role was to bulk download the Paid Claim, Rejected Claim and Denied claim (Pdf) and Render the same into Excel format with the help of RPA team.

Bulk Insert the Data into Envision Database, Clean, Normalize and Create views of the data for reporting.

Connect the Tableau to the database and Import the View for Visualisation.

Deep dive and create the required Insights which includes: Creating Total Collection vs Billing Amount, Pending Payment and its State, Top Rejection Reason, Paid amount vs Billed amount, Rolling Collection over Year, Month and Quarter, Identifying Billing Errors, Collection by Insurance Type, Patient Yearly Billing vs Insured amount, Avg Copay, Coinsurance, Age of Claims etc

Create Complete dashboard for the Client for Action include : Feedback to the Billing and Medical Coding Team for improvement, Identifying New Code and Compliances, Action of Old Aged Claim to Prevent Write off Losses etc

- **Honeywell - An Original Product Manufacturer**

This Project include Collection of Data From HAVREL data and Multiple Product Repair shop worldwide.

These report and Data Contains : Problem occurred to the product while in service, The Run time from Last Repair or Installation, Part Failed, Category of Failure, Repairable or Non Repairable in-situ, Extend of Damage, Induced cause of Damage etc

Using Power BI create the Insights from the AfterSales Field Data which Includes: Cost of Repair, Warranty Applicability on the product, Predictive analysis of Failure as per Previous Failure rates of the Category of Product and Time in Service, Top 10 Problem in the Product, Top Main Cause of Failure, Comparative Analysis of Failure as per old data, Application of Reliability Principles, Preventive Action & Safety Scoring.

Adhoc Request from the Client, Analysis the data Finding the Insights Related to the Problem statement and Presentation of Report to Engineering Team for corrective actions like Product improvement or Modification, Material Change during Manufacturing etc.

ACHIEVEMENTS & AWARDS

- Customer Rating of 7 out of 7 from Honeywell