





Rhydham Prajapati

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EDUCATION

Master of Science in Engineering Management California State University	Northridge, CA
Courses: <i>Intro to Data Analytics, Database and Data Visualization, Decision Tools for Management, Supply Chain Analytics, Engineering Cost Analysis, Lean Manufacturing Systems.</i>	Graduating: May 2025
Bachelor of Technology in Electronics and Communication Engineering Nirma University	Ahmedabad, India
Courses: <i>Machine Learning, Data Structures, Operating Systems, Probability and Statistics, Linear Algebra.</i>	Graduated: May 2023




TECHNICAL SKILLS

Programming languages: Python, C, SQL.
Frameworks and Tools: MS Excel, MySQL, Tableau, Pandas, Numpy, Matplotlib, Seaborn, Sklearn.
Skills: Database Management System, Machine Learning, Data Analytics.
Certifications: Google Data Analytics Professional Certificate, Microsoft Excel.

WORK EXPERIENCE

PIMA Controls Pvt. Ltd	January 2023 - May 2023
IIOT Engineer Intern Ahmedabad, Gujarat	
<ul style="list-style-type: none">Developed a PLC converter in Python to enhance data exchange and interoperability, optimizing supply chain automation and cost efficiency.Designed and implemented a real-time data upload model, enabling continuous machine monitoring, predictive analytics, and compliance tracking.	
NIFA Electronics Pvt. Ltd	June 2022 - November 2022
Embedded System Intern Ahmedabad, Gujarat	
<ul style="list-style-type: none">Programmed ICs for servo stabilizers and Online UPS systems, ensuring compliance, cost-effective system integration, and performance optimization.Conducted testing, verification, and troubleshooting of embedded systems, contributing to supply chain efficiency and product reliability.	

PROJECTS

Retail Sales Data Analysis using SQL 	December 2024
<ul style="list-style-type: none">Conducted exploratory data analysis (EDA) on Retail sales data to identify top-performing branches and product lines, sales trends, and customer behavior.Designed and implemented a SQL database, optimizing data storage and retrieval for faster and more accurate business insights.Engineered new features such as time of day, day of the week, and month of the year to analyze customer behavior and improve sales strategies.Provided data-driven recommendations that could help optimize pricing, inventory management, and promotional strategies, leading to potential revenue growth.	
Healthcare Data Analytics Using SQL, Excel and Tableau 	July 2024
<ul style="list-style-type: none">Developed an interactive Healthcare Analytics Dashboard using SQL, Excel, and Tableau to analyze patient demographics, doctor-to-patient ratios, admission types, and medical conditions, improving data-driven decision-making.Optimized healthcare resource allocation by identifying trends in test results, medication usage, and patient distribution, enhancing operational efficiency.Enabled real-time tracking of key healthcare metrics, streamlining hospital management and improving patient care strategies.	
HR Data Analytics using Excel and Tableau 	March 2024
<ul style="list-style-type: none">Developed an interactive Tableau dashboard to analyze employee attrition, job satisfaction, and workforce trends, enabling data-driven HR decision-making.Conducted data cleaning and pre-processing in Excel, ensuring accuracy and consistency in employee records.Designed visualizations, including KPI metrics, attrition breakdowns, and department-wise insights, to identify key workforce patterns.Provided strategic recommendations to improve employee retention, recruitment efficiency, and overall workforce management.	
Sales Insights using Power BI and SQL	January 2024
<ul style="list-style-type: none">Developed an interactive Power BI dashboard to visualize AtliQ hardware sales trends, helping stakeholders identify opportunities for a projected 7% revenue increase in the next quarter.Integrated SQL Server with Power BI, utilizing SQL and Power Query for efficient data extraction, transformation, and cleaning, ensuring high-quality data for analysis.Optimized data modeling with Power Pivot, enhancing dashboard performance and reporting efficiency, enabling faster, data-driven decision-making.	