Rhydham Prajapati

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EDUCATION

Master of Science in Engineering Management | California State University **Northridge, CA**
Courses: *Intro to Data Analytics, Database and Data Visualization, Decision Tools for Management,*
Supply Chain Analytics, Engineering Cost Analysis, Lean Manufacturing Systems. **Graduating:** *May 2025*

Bachelor of Technology in Electronics and Communication Engineering | Nirma University **Ahmedabad, India**
Courses: *Machine Learning, Data Structures, Operating Systems, Probability and Statistics, Linear Algebra.* **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
- Developed a PLC converter in Python to facilitate seamless communication between two PLCs, enhancing interoperability and data exchange in an IIoT environment at Pima Controls Pvt Ltd.
- Successfully created and implemented a real-time data upload model in Python, enabling continuous machine monitoring and empowering users to efficiently update and modify various parameters on the cloud.

NIFA Electronics Pvt. Ltd **June 2022 - November 2022**
Embedded System Intern Ahmedabad, Gujarat
- Proficiently programmed ICs for servo stabilizers and Online UPS systems at Nifa Electronics Pvt Ltd, showcasing expertise in embedded systems and ensuring optimal functionality.
- Played a key role in the testing and verification processes, ensuring the reliability and performance of electronic devices, and gained valuable experience in PLC design.

PROJECTS

Retail Sales Data Analysis using SQL **December 2024**
- 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.

HR Data Analytics using Excel and Tableau **March 2024**
- **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**
- **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.

Pizza Sales Data Analysis Using SQL and Excel **November 2023**
- Analyzed pizza sales data using **SQL** to identify peak sales periods, **top-selling items, and customer purchasing trends**, optimizing **inventory management** and reducing waste.
- Developed an interactive **Excel dashboard** integrated with SQL for real-time tracking of **key performance metrics, enhancing decision-making for pricing and promotions**.
- **Provided data-driven insights** that improved **sales strategies, increased operational efficiency, and enabled targeted marketing campaigns** to boost revenue.