

Yash Raythatha

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PROFESSIONAL SUMMARY

Experienced data professional with a strong background in data analysis, business intelligence, and reporting. Proficient in using SQL and BI tools to deliver strategic insights and support data-driven decision-making. Adept at collaborating cross-functionally to gather requirements and develop automated reports, driving business growth and operational efficiency. Seeking to leverage analytical expertise and technical skills in a dynamic, innovative environment.

SKILLS

Languages: Python, C/C++, Unix, HTML, CSS.

Data Pipelines and Cloud Application: Pyspark, Spark SQL, AWS, Azure.

Business Intelligence Tools: Tableau, Power Bi, Quicksight

Data Visualization: Seaborn, Matplotlib

Database: SQL, Snowflake, MongoDB, Oracle

Certifications: Azure Administrator (**AZ-104**), Power BI Analyst Associate (**PL-300**), Oracle SQL Database Associate (**1ZO-071**)

PROFESSIONAL EXPERIENCE

Data Engineer

Aug 2019 - Mar 2023

HCL Technologies, Nagpur, India

- Led the development of scalable ETL pipelines using Apache Spark, increasing data processing efficiency by 20% and reducing latency in downstream analytics.
- Optimized Spark SQL queries, reducing execution time from 2 hours to just 10 minutes, saving over 100 compute hours per month and cutting infrastructure costs by 30%.
- Automated data ingestion and transformation tasks using Python and AWS Lambda, reducing manual intervention by 80% and improving workflow efficiency.
- Designed and automated data pipelines to feed interactive reports and dashboards using Power BI and Tableau, ensuring real-time data availability and seamless integration with analytics workflows.
- Processed and maintained datasets exceeding 10TB, ensuring high data integrity and availability for analytics and reporting teams.
- Authored and maintained technical documentation for 100% of data sources and ETL pipelines, improving team collaboration.

Junior Data Analyst

Nov 2018 - Aug 2019

Savantis Solutions, Hyderabad, India

- Increased reporting efficiency by 40% by automating data extraction and visualization using Power BI and Tableau, enabling faster decision-making for stakeholders.
- Improved data accuracy by 35% by optimizing SQL queries and implementing data validation checks, ensuring reliable business insights.
- Simplified complex data insights for non-technical stakeholders, improving communication and facilitating strategic decision making.

ACADEMIC PROJECTS

Energy Consumption Analysis Dashboard

- Built a comprehensive Power BI dashboard to analyze electricity, gas, and water consumption and cost across cities and buildings.
- Visualized year-wise trends and usage breakdowns, enabling stakeholders to identify inefficiencies and optimize energy consumption.
- Performed data modeling and transformation to support interactive filtering and comparative insights across 11 buildings and 3 energy types.

Superstore Data Analysis Dashboard

- Built an interactive Power BI dashboard to analyze Superstore sales, returns, and trends, providing actionable insights for business decisions.
- Performed data cleansing and transformations to prepare the dataset for effective visualization and analysis.
- Developed insights on sales performance, return rates, and category trends, enabling identification of growth opportunities..

Laptop Price Predictor

- Leveraged a Kaggle dataset, utilized Pandas for data cleaning, and employed Matplotlib and Seaborn for insightful visualizations to drive feature selection for predictive modeling.
- Developed and refined multiple machine learning algorithms to accurately predict laptop prices, focusing on optimizing model performance for accuracy.
- Deployed the predictive model using Streamlit, creating an interactive web application that enables real-time, user-driven laptop price estimations.

EDUCATION

Bachelor of Engineering: Computer Technology

May 2017

Rajiv Gandhi College of Engineering Research & Technology - Chandrapur, Maharashtra, India

Master of Science: Data Science

May 2025

University of New Haven, West Haven, CT