

Naval Dhandha | Data Analyst & Engineer

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SUMMARY

Data Analyst with Engineer 4+ years of experience in building decision-grade analytics for ops and product teams. Skilled in building ETL pipelines, automating reporting workflows, and identifying operational bottlenecks using SQL, Power BI, and Python. Adept at collaborating with cross-functional teams to deliver data solutions that improve efficiency, reduce costs, and optimize delivery performance. Passionate about transforming complex data into meaningful stories that accelerate innovation and execution.

PROFESSIONAL EXPERIENCE

Bayer Crop Science | Data Analyst | Muscatine, Iowa

Jan 2025 – May 2025

- Automated GCP-to-Power BI pipelines using SQL and Power Query, cutting refresh latency by 40% while ensuring end-to-end accuracy and scalability across high-volume supply chain reporting workflows.
- Designed and deployed interactive dashboards for packaging, fleet, and material planning, enabling real-time monitoring that drove 15% faster responses to capacity constraints across 3+ departments.
- Partnered with operations and planning leaders to identify KPIs, translate evolving business needs into data solutions, and deliver tailored reports that enhanced visibility, strengthened cross-functional alignment, and improved material availability.

InfoWay Solutions | Data Engineer I | Mumbai, India

Sep 2022 – Jul 2023

- Designed and automated end-to-end Azure data pipelines (Data Factory, Databricks, Data Lake) integrating POS, customer, and inventory data to deliver real-time, high-quality datasets for retail analytics and supply chain decisions.
- Built hybrid batch and streaming data workflows (Flume, Hive, HDFS) to process large-scale ad impression and clickstream data in near real time, cutting processing time by 60% and powering advertiser performance dashboards and measurement reports.
- Enabled low-latency insights, anomaly detection, and KPI-driven campaign optimization (impressions, CTR, conversion rate) by engineering scalable, reliable data infrastructure that met strict SLAs for marketing and analytics teams.

Syngenta Global, Infosys Ltd | Senior Data Analyst (SSE) | Pune, India

Dec 2020 – Aug 2022

- Applied SQL and Python to analyze global logistics and inventory datasets, uncovering patterns that increased forecast accuracy by 20% and reduced excess stock, saving the organization \$180K annually in carrying costs.
- Built and optimized centralized ETL workflows to integrate SAP and ERP data, improving data retrieval speed by 40%, ensuring consistent governance, and enabling faster access to insights for cross-regional supply chain teams.
- Designed and implemented Tableau/Power BI dashboards to visualize KPIs, delivering weekly analytics to senior leadership that improved transparency, supported strategic decision-making, and guided operational cost optimization.

Syngenta Global, Infosys Ltd | Data Analyst (SE) | Pune, India

Aug 2019 – Nov 2020

- Built scalable ETL pipelines in SAP BW/4HANA and BEX, reducing manual interventions by 85% and strengthening auditability and governance of financial reporting workflows.
- Developed a predictive demand model in Python with 96% short-term accuracy, embedding results into Power BI dashboards that informed procurement and sourcing strategies.
- Automated recurring reporting processes with Airflow, shortening turnaround time for monthly reports by 50% and improving stakeholder visibility into operational KPIs.

PROJECTS

Customer Skilling and Behavior Analysis

Jan 2024 – Apr 2024

- Designed and automated an end-to-end Azure data engineering pipeline (Data Factory, Databricks) integrating POS, customer, and inventory data for real-time analytics and actionable insights on sales, demand, and customer behavior.

Big Data project

Aug 2024 – Dec 2024

- Designed hybrid batch and streaming data pipelines (Flume, Sqoop, Hive, HDFS) to process ad impression and clickstream data in near real time, reducing processing time by 60% and delivering low-latency insights, anomaly detection, and KPI-driven campaign optimization for advertisers.

EDUCATION

The University of Texas at Dallas – M.S., Information Technology Management, Dallas, TX

Aug 2023 – May 2025

Dwarkadas J. Sanghvi College of Engineering – B.E., Electronics Engineering, Mumbai, India

Jul 2015 – Jun 2019

SKILLS & CERTIFICATIONS

Analysis & Visualization Tools: MySQL, Microsoft Power BI, Looker, Tableau, MS Excel

Programming: SQL, Python (Pandas, NumPy, scikit-learn, Matplotlib, seaborn), Google BigQuery, Power Query

Tools: Hadoop (Pig, Hive, HDFS), Azure, GCP, Snowflake, BW/4HANA, Airflow, JIRA, Service Now, Agile, Docker (Basic), dbt (Basic)

Concepts: ETL Pipelines, Data Ingestion/Wrangling, KPI Reporting, Forecasting, Data Validation, CI/CD

Certifications: Google Data Analytics (Coursera), Tableau BI Analyst (Coursera)

ORGANIZATION / VOLUNTEER

Events Head, IEEE Student Committee | DJ Sanghvi College of Engineering

Aug 2018 – Mar 2019