

Disha Dhara

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SUMMARY

Data analyst with 1+ year of operational data experience and an MSc in Big Data Analytics, with prior experience in the energy sector through a project internship at Nuclear Power Corporation of India. Strong on SQL and Excel, used to analysing large datasets to identify trends, risks and opportunities and translating findings into clear insights for stakeholders. At A One Salasar I delivered analytical work that supported continuous-improvement initiatives, contributing to a 25% lift in reporting efficiency and a 30% reduction in manual effort.

TECHNICAL SKILLS

Databases & SQL: Microsoft SQL Server, Apache Hive (HQL)

Reporting & BI: Excel, Power Query, Power BI, Tableau

Programming & analytics: Python (Pandas, NumPy, Scikit-learn), R, statistical analysis,

Data engineering: ETL pipelines, Azure Data Factory, Databricks

Soft skills: Independent working, stakeholder communication, attention to detail, written and verbal clarity

EDUCATION

MSc in Big Data Analytics

Sheffield Hallam University, Sheffield, UK

Sep 2025 – Sep 2026

BTech in Information Technology

Bharati Vidyapeeth Deemed University, Navi Mumbai, India

Aug 2020 – Jun 2024

EXPERIENCE

Student Mentor

Sheffield Hallam University, Sheffield, UK

Oct 2025 – Present

- Provided Tutored students on SQL, statistical analysis and Python data workflows - daily practice explaining complex data clearly to mixed audiences.
- Delivered workshops on data cleaning, validation and visualisation.

Data & Operations Analyst (Business Development)

A One Salasar Pvt Ltd, Thane, India

Jun 2024 – Jul 2025

- Analysed large operational and sales datasets in SQL and Python to identify trends, risks and commercial opportunities - turned findings into clear insights and recommendations for sales, operations and management stakeholders.
- Supported continuous-improvement projects across reporting and operations - replaced manual Excel workflows with automated reporting contributing to a 25% improvement in reporting efficiency and a 30% reduction in manual effort.
- Built and tracked KPIs, validated source data and standardised definitions - giving the business a consistent, trustworthy view of performance.
- Used data-driven client segmentation and demand insight to prioritise sales activity, contributing to top revenue performance for 3 consecutive months.
- Communicated technical findings clearly to non-technical stakeholders - verbally, in writing and through dashboards.

Project Intern

Nuclear Power Corporation of India, Navi Mumbai, India

Aug 2023 – Sep 2023

- Worked inside a quality-driven nuclear-sector environment - followed clearly defined processes for every data review.
- Analysed inventory and operational data in Excel, improving accuracy by 15% through validation, cleaning and standardisation.
- Worked with technical teams to define data validation checks and quality standards.

PROJECTS

Road Traffic Accident Data Modelling & Analytical Framework *SQL, Apache Hive (HQL), Tableau, R*

- Designed a **constellation schema-based data warehouse** using UK road traffic accident data (England, 2020–2024), enabling multi-dimensional analysis of accident trends.
- Developed **fact and dimension tables** using **SQL and Apache Hive (HQL)** to support structured and scalable querying.
- Built multiple **data marts** to analyse accident patterns by severity, weather conditions, vehicle type, and driver demographics.
- Queried and transformed data using **Hive** and developed interactive **Tableau dashboards** to visualise trends and enable efficient reporting through monthly aggregations.

Retail Sales Performance Analysis & Demand Forecasting

Python, Power BI, SQL

- Extracted and cleaned 500K+ retail transactions from primary data sources, then applied statistical tools to identify demand patterns, seasonal trends, and customer behaviour shifts.
- Built a segmentation model using data mining techniques (purchase frequency, recency, basket size) to categorise customers for targeted business decisions.
- Generated interactive Power BI management dashboards with 8 KPIs, enabling stakeholders to monitor trends and explore diagnostic analytics in real time.

ML Imputation & Explainable AI

Python, Random Forest | Dissertation

- Large-scale experimental study on 1M+ records evaluating the impact of imputation techniques on predictive model performance under varying missingness conditions.
- Training Random Forest model with cross-validation and hyperparameter tuning to compare performance across imputation strategies.
- Applying Explainable AI techniques to understand how imputation impacts model behaviour and feature rankings.
- Developing a combined evaluation approach that considers model accuracy, feature stability, and fairness to compare different imputation techniques.

LEADERSHIP & ACHIEVEMENTS

- Research Poster Showcase -- Data Imputation & Explainable AI -- Sheffield Hallam University 2026
- Future Tech Appathon Co-Organiser (50+ participants) -- Sheffield Hallam University 2026
- McKinsey.org Forward Program -- McKinsey & Company In Progress
- Programming with Python 3.x -- Skill Up 2022

CERTIFICATIONS

- McKinsey.org Forward Program — *(In Progress)*
- Programming with Python 3.x — Skill Up, August 2022