

SHARANG SRIVASTAVA

DATA ANALYST

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PROFESSIONAL SUMMARY

A results-driven Data Analyst specializing in turning complex data into measurable business value. With 4+ years of experience, I deliver high-impact solutions in data visualisation, machine learning, and BI. Proven track record of delivering high-impact analytics, dashboards, and data products that enable smarter, faster decision-making.

PROFESSIONAL EXPERIENCE

Data Analyst Feb 2025 – Present

CeADAR | Ireland

- **Client Insights Dashboard Transformation Program:** Designed and deployed 10+ interactive Power BI reports for a key client, integrating advanced DAX and role-based access, improving reporting turnaround time by 35% and dashboard engagement by 25%.
- **Self-Service Analytics Enablement:** Resulted in a 40% reduction in ad-hoc SQL tickets and increased trust in self-service analytic.
- **AI-Enabled Power BI Reporting:** Delivered 5+ Power BI reports for a pharma client with natural language query capabilities, improving reporting efficiency by 30% and reducing analyst dependency.
- **GenAI Text-to-SQL Agentic Framework:** Built a secure agentic Text-to-SQL solution using Azure OpenAI, Python and Azure SQL with autonomous query planning and validation. Implemented schema-aware guardrails and fallback logic, reducing SQL errors by 40% and enabling reliable self-service analytics.

Data Analyst July 2023 – Jan 2025

Nextra-IT | Ireland

- **Customer Retention Modeling:** Engineered machine learning models using Random Forest and XGBoost, and Python resulting in a 15% uplift in customer retention.
- **Executive BI Dashboards:** Conceptualized and implemented 3 interactive Power BI dashboards, enhancing decision-making speed by 20%.
- **Designed and evaluated classification and anomaly-detection** models using Precision, Recall, and ROC-AUC to optimize decision thresholds and improve risk and loss outcomes.

Data Analyst Feb 2023 – June 2023

Technical University of Shannon | Ireland

- **BI Reporting & Dashboards:** Developed 10+ dynamic reports and dashboards using Tableau and Power BI, boosting data accessibility by 20%.
- **Advanced Data Analysis:** Conducted comprehensive data analysis utilising SQL and Python to facilitate strategic decision-making.
- **Reporting Process Optimization:** Streamlined data visualization processes, leading to a 25% improvement in reporting efficiency.

Data Analyst

Jan 2021 – Oct 2022

Invoice Fair | Ireland

- **Real-Time BI Enablement:** Delivered 15+ real-time Tableau dashboards, enabling data-driven decisions for Sales and Customer Success teams.
- **Cloud Analytics on AWS:** Leveraged AWS services (Glue, Athena, QuickSight, S3) to boost data insights by 30%, enhancing accessibility and streamlining analysis workflows.
- **Cost Optimization:** Reduced operational costs by 10% through optimized, resource-efficient AWS data operations.
- **End-to-End Analytics Leadership:** Led cross-functional analytics initiatives, improving stakeholder alignment and boosting reporting efficiency by 25%.
- **Time-Series Forecasting:** Improved monthly transaction forecasting accuracy by 12% using ARIMA and SARIMAX, with exploratory LSTM models to assess long-term temporal patterns.

Associate Engineer

Nov 2018 – Feb 2019

Accenture | India

- Utilised Tableau for data visualization and exploration of multiple relational databases.
- Provided analytical support by performing statistical and quantitative analyses on diverse datasets.
- Delivered 20 trend reports, 15 feasibility studies, and 50 actionable insights.

TECHNICAL SKILLS

- **Programming & Analytics:** Python, R, Pandas, NumPy, Scikit-learn, Statistical Modeling.
- **Data Visualization & BI:** Power BI (DAX, AI Q&A), Tableau, Excel.
- **Cloud & Databases:** AWS, Azure (SQL, OpenAI, Synapse), Microsoft Fabric, MySQL, Oracle, DynamoDB
- **GenAI & Machine Learning:** Azure OpenAI, LLMs, Text-to-SQL, Natural Language Processing, Prompt Engineering, LangChain Framework.
- **Data Engineering:** ETL Pipelines, Data Modeling, Query Optimization, Data Validation, API Integration.
- **Tools & Methodologies:** Git, JIRA, Agile, A/B Testing, Cross-functional Collaboration.

EDUCATION**Master of Science in Data Analytics**

2019 – 2020

Athlone Institute of Technology, Ireland

Bachelor of Technology in Information Technology Engineering

2014 - 2018

SMR University, India