Ayush Meher

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Summary

I am a results-driven **Data Analyst** with expertise in **data quality**, **governance**, and **regulatory reporting**. Skilled in **SQL**, **Tableau**, and **Excel**, I implement **data control structures**, define **data quality rules**, and collaborate with cross-functional teams to enhance **data integrity** and streamline processes. Focused on **data analysis** and continuous improvement, I ensure **data accuracy** and optimize **reporting efficiency** for data-driven decision-making.

Education

Thunderbird School of Global Management, Phoenix
M. of Global Management, Data Science   Aug 2022 - Dec 2023

Solbridge International School of Business, Seoul
MSc., Data Analytics   Aug 2021 - Aug 2022

MES College of Engineering, Pune
B. Eng, Computer Science   Aug 2015 - Jul 2019

Skills

MLOps: Model deployment (CI/CD for ML), Model Monitoring, DataOps, Kubeflow, MLflow, Airflow, Docker, Kubernetes, Feature Store Management

Data Science: Machine Learning (Regression, Classification, Clustering), Random Forests, SVM, KNN, Naive Bayes, K-Means, Deep Learning (CNN, RNN), NLP, Model Tuning & Optimization, Python, R, Scikit-learn, TensorFlow, PyTorch

DevOps: Continuous Integration (CI), Continuous Deployment (CD), Jenkins, Git, AWS, Azure, GCP, Terraform, Ansible.

Data Analysis: SQL, Pandas, Data Wrangling, Exploratory Data Analysis (EDA), Data Visualization (Matplotlib, Seaborn, Power BI, Tableau)

Programming Languages: Python, R, Ruby, Bash, SQL, No-SQL, C++

Cloud Platforms: AWS, GCP, Azure **[AWS Cloud Practitioner]**

Version Control: Git, GitHub, GitLab

Database Technologies: MySQL, MongoDB, PostgreSQL, Snowflake

BI Tools: Tableau, Looker, GIT, Power BI, RapidMiner, SAS, Excel (Advance), MS Office Suite

Software Development Lifecycle: Requirement Gathering, BRDs, Fit-Gap Analysis, Test Management, Test Plans, UAT, Post-Live Support, Sprint Planning, Stakeholder Management

Soft Skills: Communication, Problem-solving, Teamwork, Leadership, Critical Thinker

Work Experience

All American Healthcare aka Allshifts.com   Newark, NJ, US
SQL Data Analyst (Contract)   Nov 2024 - Present

- **Designed and maintained** 10+ robust data models and automated ETL pipelines, improving data processing efficiency by 30% and reducing data latency by 25%.
- **Developed and implemented** 15+ interactive BI dashboards using Tableau and PowerBI, increasing stakeholder decision-making efficiency by 40%.
- **Conducted in-depth analyses** leveraging SQL and Snowflake, identifying insights that led to a 20% increase in operational productivity and a 15% reduction in costs.

Prof. Robert Grosse (Former Dean of American University of Sharjah)
Data Analyst   Feb 2024 - Present

- **Automated 90% of routine reporting tasks**, saving over 15 hours per week in manual effort and enhancing report delivery consistency.
- **Analyzed and mined datasets exceeding 1M records**, delivering insights that boosted user engagement by **15%** in streaming content campaigns.
- **Trained 50+ staff and leadership members** on interpreting dashboards and utilizing analytics tools, achieving a 90% adoption rate of BI solutions.

Scale AI   Remote
Data Scientist * **Freelancing Tech**   Feb 2024 - Present

- **Cleaned, analyzed, and maintained datasets** of over **100k records**, creating actionable insights that influenced marketing strategies and increased conversion rates by **18%**.
- **Deployed machine learning models to production,** ensuring they scaled to meet business needs, which improved system reliability and reduced downtime
- Automated model retraining and deployment using **CI/CD, Docker, Kubernetes, and cloud platforms.**

Cisco   Raleigh, US
GHG Graduate Consultant   Oct 2023 - Nov 2023
- **Collaborated with leadership** to define and track 20+ key performance indicators (KPIs), aligning metrics with business goals to improve performance by 18%.
- **Created and documented Excel tools** for estimating teleworking emissions, showcasing data mapping and analysis skills.
- Applied **Data Science** principles to enhance decision-making processes, reducing project timelines by 12% through advanced analytics.

Hydro Extrusions   Phoenix, US
Intern   May 2023 - Aug 2023
- **Optimized SQL queries**, leading to a **25% improvement in database performance** and faster data retrieval for operational reporting.
- Created and maintained comprehensive documentation for **all tag implementations and data flows**, reducing onboarding time for new team members by **20%**.
- Stayed up-to-date on industry trends and best practices in tag management and digital analytics, adopting new methodologies that increased operational efficiency by **15%**.

Infosys   Pune, India
Data Analyst   Aug 2020 - Aug 2021
- Developed and reviewed **documentation** (BRDs, DRDs, Test Plans, Test Scripts) for over **5 major data quality projects**, ensuring accurate test execution and alignment with business requirements.
- Improved **reporting efficiency** by **10%** through the automation of manual processes, utilizing tools such as **Tableau** and **Excel** for **data visualization**.
- **Leveraged advanced analytics** techniques, including machine learning and AI, to improve predictive accuracy by 25% and enhance forecasting capabilities.

Crown Pipes   Pune, India
Business Intelligence Analyst * Start-up   Aug 2019 - Aug 2020
- **Championed data governance** initiatives, reducing data errors by 20% and ensuring compliance with internal and external data standards.
- **Excelled in managing multiple priorities** in a fast-paced environment, consistently meeting 100% of project deadlines and delivering high-quality results.
- Enhanced data pipeline reliability by implementing **quality control measures**, reducing data errors by **40%**.

Projects

Emotion-Based Music Harmonizer
- A music harmonizer that adjusts melody, harmony, bass, and percussion layers to evoke a chosen emotion.
- Users can interact through a GUI to select tracks, mix based on mood (calm, sad, energetic), and export the result.

Temporal Knowledge Graph of India-Pakistan Relations
- Constructs a temporal knowledge graph to analyze evolving India-Pakistan relations by extracting entities and relationships from historical data. Users can query specific events or generate a timeline summary of major conflicts and alliances.

Interactive Story Generator with WebSocket and GPT-2
- A dynamic storytelling tool powered by GPT-2 and WebSocket, enabling users to make choices that influence the story in real time. The narrative is enhanced with text-to-speech and choice-driven plot progression.

Semi-Supervised VAE and CVAE for Synthetic Data Generation
- Uses VAEs and CVAEs to generate class-conditional synthetic data, evaluated with Inception Score and FID.
- A trained SVM classifier tests generalization, with PCA- and t-SNE providing data visualization insights.

House Rental Predictions ML App
- Built and deployed a house rental prediction model using AWS services, automating the entire ML pipeline from data preprocessing to model deployment.

South Korea's Suicide Rate by District and City
- Developed an interactive Tableau dashboard to visualize and analyze suicide rates by city and county across South Korea, providing insights into regional disparities.

Marketing Ads Campaign Analysis
- Analyzed customer order transactions on Shopify and CoC platforms by evaluating performance metrics across Google Ads, Facebook Ads, and other channels. Calculated key metrics such as Average Order Value (AOV), Cost per Acquisition (CPA), Customer Acquisition Cost (CAC), revenue, order count, Cost per Sale (CPS), Return on Investment (ROI), and more.

Extra-Curricular Activities & Position of Responsibilities:
- Honorary member of Beta Gamma Sigma, a prestigious academic honor society recognized top business students with excellent skills.
- Acted as a Global Ambassador for Korea's top science magazine "HelloDD" to expand its reach to an international audience.
- Fluent in English, Hindi, Marathi, and Korean.