

Aman Rathore

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SUMMARY

Data professional with 4 years of experience as a **Data Analyst** and **Data Engineer**, proficient in **data migration**, building **data models** and **data pipelines**, transforming complex data into valuable insights by leveraging tools such as **Tableau** and **Power BI** to deliver interactive visualizations and drive impactful business decisions with expertise in **SQL** and **Python**.

SKILLS

Programming Languages:	SQL, Python, HTML, CSS
Data Visualization and Processing:	Power BI, Tableau, Excel (VLookups, Pivot Tables), Hadoop, Spark, NumPy, Pandas, Matplotlib
Databases and Data Integration:	PostgreSQL, Oracle, Snowflake, MySQL, Alteryx, ETL, SSRS, Data Warehousing, Data Modeling
Cloud & Other Technologies:	AWS (S3, Elasticsearch, Kibana, Redshift, Athena, Glue, Kinesis, RDS), Git

PROFESSIONAL EXPERIENCE

EdgeLink Services, USA | Data Analyst

Sep 2024 – Present

- Implemented ETL pipelines for a pet healthcare project to extract data and clean inconsistencies by utilizing SQL & Python and successfully integrated over **3 million** pet records, improving data accessibility for analysis.
- Showcased disease distribution by breed and age, found the **top 5 most common diseases** for each category of dog and cat breeds.
- Compared key metrics (recovery time and recurrence rates) by analyzing historical treatment data and data from patients receiving the new treatment, resulting in an **11% reduction in disease recurrence rates**.
- Displayed **KPIs** (treatment success rates, frequent disease trends) leveraging Python libraries (Pandas and Matplotlib) to generate visualizations, leading to more refined decisions and a **17% decrease in time spent** on data gathering for reviews.

Tata Consultancy Services, India

Data Analyst

Sep 2019 - Dec 2021

- Performed **data wrangling** operations for an online payment app project to identify errors in data, **reducing errors by 38%**.
- Conducted **statistical analysis** using **hypothesis testing (Chi-Square, T-Test)** to validate assumptions and analyze data patterns and relationships.
- Designed dashboards daily in **Tableau** to present customers' transactional data insights, aiding stakeholders in monitoring cash flow trends and **improving decision-making by 25%**.
- Established strategic **KPIs** (total number of transactions, transaction success rates, total transaction value) to align reporting with business goals and **enhanced analysis efficiency by 22%**.
- Presented complex data reports to business teams and stakeholders, proposing data solutions for driving strategic decisions.

Data Engineer (ETL Developer)

Sep 2018 - Aug 2019

- Created and **optimized** scalable **data pipelines** to extract, transform, and load customer credit card data into the database, ensuring data quality and **enhancing processing efficiency by 16%**.
- Processed and transformed over 50 million records of customers' sensitive information, following privacy regulations through data masking, **increasing data security by 20%**.
- Monitored ETL processes, troubleshoot the issues, maintained documentation, and performed root cause analysis.
- Migrated **2TB** of credit card data from SQL Server to **AWS RDS** using **AWS DMS**, **reducing 30% maintenance cost of data**.
- Collaborated with stakeholders to ensure data integrity, successfully implementing credit card data handling with maximum privacy.

CERTIFICATIONS

- Google Advanced Data Analytics Certificate | Microsoft Power BI Data Analyst | IBM Data Science Certificate

EDUCATION

California State University, Fullerton, CA | Master of Science, Computer Science

Aug 2022 - May 2024

GLA University, India | Bachelor of Technology, Computer Science

Jul 2014 - May 2018

PROJECTS

Business 360

- Analyzed finance data using **SQL (window functions, CTEs)** and **Power BI**, created interactive dashboards, tracking data trends.
- Created **DAX** measures and **calculated columns** to compare fiscal year performance against the target benchmarks.
- Constructed financial data models, optimized visualizations, and enhanced report performance by 14% with **DAX Studio**.
- Facilitated data-driven decision-making by validating and summarizing key financial data, resulting in a **12% revenue boost**.

Real-Time Data Analysis using AWS

- Utilized AWS Kinesis to capture streaming data and loaded it to Elasticsearch and S3 bucket using Firehose.
- Filtered results and constructed **Kibana** dashboards, delivering real-time data visualization and **optimizing results by 40%**.