Aman Rathore

Data Analyst | Data Engineer | SQL Developer

Los Angeles, CA - 90007 | (714)-213-3741 | aman.r@csu.fullerton.edu | LinkedIn | Github | Dashboards | Portfolio

SUMMARY

Result-driven data analyst and engineer with a Master's in Computer Science and 4 years of experience transforming complex data and delivering data-driven insights. Skilled in SQL, Python, and BI tools (Tableau and Power BI) with a proven history of creating compelling reports that uncover trends, achieving outcomes like 43% error reduction and 17% gain in analysis efficiency.

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:	Amazon Web Services (Elasticsearch, S3, Kibana, Redshift, Athena, Glue, Kinesis, RDS, DMS), Git

PROFESSIONAL EXPERIENCE

EdgeLink Services, USA | Data Analyst   Sep 2024 – Present
- Implemented Python scripts for a pet healthcare project to ingest data from multiple REST APIs and utilized SQL to transform and clean inconsistencies for over 3 million pet records, improving data usability for analysis.
- Identified disease distribution by breed and age using SQL and found the top 5 most common diseases in each dog and cat breed category.
- Compared key metrics (recovery time and recurrence rates) by analyzing historical data and data from patients receiving the new treatment.
- Displayed KPIs (treatment success rates, frequent disease trends) derived using Python libraries (Pandas and Matplotlib) in Power BI to generate interactive visualizations, leading to a 17% decrease in time spent on data gathering for reviews.

Tata Consultancy Services, India

Data Analyst   Sep 2019 - Dec 2021
- Performed data cleaning operations (handling missing values, and duplicates) using SQL on transactional data for an online payment app project, reducing errors by 43%.
- Conducted statistical analysis, including hypothesis testing (t-tests, chi-square) to validate assumptions about user behavior and identify data patterns and relationships in online payment transactions, informing fraud detection possibilities.
- Designed and maintained Tableau dashboards to present key insights into customers' transactional data, aiding stakeholders in monitoring cash flow trends and leading to a 25% improvement in financial decision-making.
- Established strategic KPIs (total number of transactions, transaction success rates, total transaction value), enhanced 22% analysis efficiency.
- Presented reports to business teams and stakeholders through clear and concise presentations, proposing data-driven solutions.

Data Engineer (ETL Developer)   Sep 2018 - Aug 2019
- Created and optimized scalable ETL data pipelines using Datastage to process customer credit card data into the database, implementing data quality checks that resulted in a 36% enhancement in data processing efficiency.
- Processed and transformed over 50 million customers' sensitive information records using SQL, following privacy regulations through data masking techniques like substitution and masking out, increasing data security by 17%.
- Monitored pipeline performance, troubleshooted data flow issues, and analyzed root causes to identify recurring data integration problems.
- Leveraged AWS DMS to migrate 2TB of card data from SQL Server to AWS RDS and reduced the 30% maintenance cost of the data.

EDUCATION

Master of Science, Computer Science | California State University, Fullerton, CA   Aug 2022 - May 2024
Bachelor of Technology, Computer Science | GLA University, India   Jul 2014 - May 2018

CERTIFICATIONS

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

PROJECTS

Business 360
- Analyzed finance data using SQL (window functions, CTEs) and Power BI, created interactive dashboards, and tracked 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, delivered real-time data visualization, and optimized results by 40%.