Gunjan Mohan

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Specialized Skills

Cloud & Infrastructure: AWS (Redshift, DynamoDB, S3, Lambda, Glue, Athena, Kinesis, Step Functions, EventBridge, CloudWatch, SQS, SNS, EC2, IAM)

LLMs & GenAI: RAG/retrieval pipelines, prompt engineering, knowledge bases, Model Context Protocol (MCP) tools, guardrails & safety filters, context-window optimization/caching; AWS integrations (Bedrock, Lambda, API Gateway)

Data Engineering & Processing: SQL, PySpark, Airflow, Alteryx, ETL, Data Lakes, Data Warehousing, Orchestration Frameworks

Programming & Analytics: Python (Pandas, NumPy, Boto3, Matplotlib, Scikit-learn), R, Shell, C++

Databases: Redshift, Snowflake, Postgres, Oracle, MySQL

Visualization & BI: QuickSight, Tableau, PowerBI

Experience

Amazon.com   Seattle, USA
Data Engineer
- Upgraded core Redshift maintenance utilities with dynamic throttling and concurrency tuning; stabilized automation workflows and reduced cluster throttling events by 70% across ABDAI.
- Designed Vacuum & Analyze orchestration framework (Lambda, Step Functions, Redshift) with dynamic thresholds and policy-based triggers; partnered with an intern to implement automation and develop SOPs for cluster health and monitoring, improving Redshift maintenance efficiency across ABDAI.
- Built Spark-based Data Quality framework with dynamic rules and automated alerting for schema and SLA checks; improved visibility and detection of data issues across billions of records.
- Built automated WBR pipelines and QuickSight dashboards with PM and product teams; streamlined reporting workflows and delivered real-time visibility for leadership.

Vizio.Inc   Seattle, USA
Data Scientist   Feb 2023 – July 2023
- Built anomaly detection and alerting for customer reports, improving SLA compliance and reducing reporting discrepancies.
- Reduced TV location flip-flop rate from 8% to 2.6% by implementing smoothing algorithms for telemetry data.
- Delivered actionable insights on TV usage patterns to improve downstream data pipeline accuracy and product decisions.

ZS Associates *(Client: Pfizer Pharmaceuticals)*   Gurugram,India
Decision Analytics Associate Consultant   June 2019 – July 2021
- Automated Excel-based forecasting operations with a VBA–Redshift–Tableau pipeline, reducing turnaround from 2 weeks to 5 minutes.
- Mentored a team of 2 analysts to build automated Finance ETL workflows, reducing project costs by $42K per engagement.
- Supported Pfizer's COVID-19 vaccine launch dashboard, enabling regional leadership to track adoption and contract progress in real time.
- Designed a data mart integrating data from diverse channels - Calls, Slides, Website, Sample/Copay Drops, Emails, etc now used by 15+ teams.
- Aided Brand Marketing Teams to analyze the effectiveness of social media campaigns by exploring Adobe Clickstream data which led to a 1.5% growth in the engagement rate next quarter.

Education

Master of Science in Business Analytics   San Diego, CA, USA
University of California San Diego – Rady School of Management, GPA: 3.91/4   Aug 2021 – Dec 2022
Relevant Coursework - Customer Analytics, Math & programming for Analytics, Analyzing Large Data Sets, Unstructured Data, Business Intelligence, Recommender Systems, Big Data Technology: Scalable Computing, ETL and SQL, Digital Product Management
Teacher Assistantships - MGT 153 - Business Analytics, MGTA 495 - Big Data Tech: SQL and ETL, CSE 258 - Recommender Systems

Bachelor of Technology in Computer Science   Delhi, India
Guru Gobind Singh Indraprastha University, GPA: 3.7/4   Aug 2015 – May 2019
Relevant Coursework- Software Engineering, Algorithm Analysis, and Design, Data Structures, DBMS