

Shriyansh Singh

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SUMMARY

Data Engineer with a knack for turning complex data into clear insights. Skilled in developing dashboards and efficient systems that empower proven, informed business decisions. Adept at collaborating with teams to drive efficiency.

PROFESSIONAL EXPERIENCE

Machine Learning Intern

April 2024 - Dec 2024

Hyphenova AI

Los Angeles, CA

- Designed and maintained **ETL pipelines** using **Apache Spark** and **AWS** for high-volume data processing, reducing ingestion times by 40% and enabling real-time data availability
- Developed complex **SQL queries** to transform and load key datasets into **BigQuery**, standardizing data across various sources for seamless analytics and reporting
- Created automated data validation scripts in Python (Pandas, PyOD), enhancing **data quality** by 30% and reducing analytics errors by 20%
- Collaborated with product teams to define requirements and build **interactive dashboards**, utilizing best practices in **BI** design and user-centric data visualization (adaptable to Looker/LookML)
- Supported real-time **data monitoring and alerts** with GCP APIs, reducing time to detect issues and improving the reliability of data pipelines

Data Analyst Intern

May 2022 - Oct 2022

Enterprise Business Technologies Pvt Ltd

Mumbai, India

- Implemented **SQL-driven** transformations, automating data refresh and **dashboard** updates, cutting manual intervention by 50% and streamlining reporting
- Optimized **Power BI** models with **DAX** and **M language** to improve report load times by 40% and ensure scalable data analytics solutions
- Orchestrated data workflows and integrated **OKR frameworks**, aligning business objectives with data-driven insights, resulting in a 25% increase in project completion rates
- Conducted **time series** forecasting and trend analysis, improving **revenue predictions** by 18% and influencing strategic budgeting decisions

EDUCATION

Indiana University Bloomington

Aug 2023 – May 2025

Master of Science in Data Science

Indiana, United States

- Relevant Coursework: Data Visualization, Big Data Applications, Cloud Computing, Graph Analytics, Applied ML, Statistics

University of Mumbai

Aug 2018 – May 2022

Bachelor of Engineering in Electronics

Maharashtra, India

TECHNICAL SKILLS

Programming & Databases: SQL (BigQuery, PostgreSQL), Python, R, NoSQL, MySQL

Data Visualization & BI: Looker (LookML), Tableau, Power BI, D3.js

Cloud & Data Engineering: GCP (BigQuery, GCP APIs), AWS (Glue, EC2, S3), Apache Spark, Kafka, Airflow

ETL & Infrastructure: CI/CD pipelines, Docker, Kubernetes, Terraform

Machine Learning & Analytics: Scikit-learn, Regression, Time Series, A/B Testing, Data Mining

Version Control & Collaboration: Git, GitHub, Agile/Scrum

PROJECTS

LookML Modeling and Dashboard Creation | *Looker, BigQuery, SQL*

Jan 2024 – Mar 2024

- Developed end-to-end **LookML models** for a multi-terabyte **BigQuery** dataset, creating flexible Explores and Views that enabled various teams to self-serve insights
- Optimized **SQL queries** and refined data transformations to improve dashboard performance by 35%, ensuring near real-time insights for operations and finance teams

ETL and Data Quality Automation | *GCP APIs, Python, Airflow*

Nov 2023 – Dec 2023

- Architected **ETL processes** in **Airflow**, ingesting data from diverse sources into **BigQuery**, supporting near real-time updates for analytics dashboards
- Implemented **data validation** routines using **Python** and **GCP APIs**, resolving anomalies in 20% of incoming datasets, thus elevating trust in downstream reporting