

Shriyansh Singh

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SUMMARY

Data Engineer with expertise in **SQL**, **Python**, and **data visualization** tools. Skilled in developing **ETL pipelines**, **automating processes**, and creating **actionable dashboards** that drive operational efficiency and business insights.

PROFESSIONAL EXPERIENCE

Data Analytics Engineer April 2024 - Dec 2024
Hyphenova AI Los Angeles, CA

- **Developed** complex **SQL queries** and **ETL processes** using **Python** and **Alteryx** that transformed raw data into actionable formats, reducing manual processing time by 76%
- **Created** interactive **Tableau dashboards** that visualized operational KPIs, enabling executives to identify cost-saving opportunities that improved efficiency by 32%
- **Automated** monthly reporting processes by designing data pipelines in **Python** and **SQL Server**, eliminating 40+ hours of manual work while improving data accuracy
- **Collaborated** with cross-functional teams to understand business requirements, translating them into technical specifications for analytics solutions

Data Operations Analyst May 2022 - Oct 2022
Enterprise Business Technologies Mumbai, India

- **Designed** and **optimized** database queries in **Oracle** and **SQL Server** that improved reporting performance by 54% while enhancing data quality
- **Implemented** data validation routines using **Python** that identified anomalies and inconsistencies, reducing errors in downstream analytics by 63%
- **Engineered** process automation solutions that standardized data extraction and transformation workflows, establishing reliable data pipelines for business teams
- **Conducted** comprehensive documentation of data flows, query logic, and dashboard specifications that facilitated knowledge transfer across the organization

TECHNICAL PROJECTS

Operational Analytics Dashboard Suite | *Tableau, SQL Server, Alteryx, Python* Oct 2024 - Feb 2025

- **Architected** a comprehensive analytics solution featuring 8 interconnected **Tableau dashboards** that visualized key operational metrics across departments
- **Developed** underlying data models in **SQL Server** with optimized query structures that ensured sub-second dashboard performance even with millions of records
- **Designed Alteryx workflows** that automated data preparation processes, ensuring consistent data quality while reducing manual intervention requirements

Data Integration and Automation Framework | *Python, SQL, Jenkins, Git, Oracle* May 2024 - Dec 2024

- **Created** a modular **Python-based ETL framework** that standardized data integration processes across multiple source systems including **Oracle** databases
- **Implemented CI/CD pipeline** using **Jenkins** and **Git** that enabled systematic testing and deployment of data transformations, reducing defects by 78%
- **Developed** comprehensive documentation and usage examples that accelerated adoption by other teams, promoting organization-wide data consistency

TECHNICAL SKILLS

Programming: Python, Java, **SQL**, Shell Scripting, JavaScript
Data Visualization: Tableau, Power BI, Matplotlib, Seaborn
Data Processing: Alteryx, **ETL Pipelines**, Pandas, NumPy, Data Cleansing
Databases: Oracle, **SQL Server**, PostgreSQL, MySQL, MongoDB
Development Tools: Git, **Jenkins**, JIRA, Visual Studio Code, Docker
Data Structures: Arrays, Trees, Hash Tables, Graphs, Algorithm Complexity Analysis

EDUCATION

Indiana University Bloomington Aug 2023 – May 2025
Master of Science in Data Science Indiana, United States

- Relevant Coursework: Data Structures and Algorithms, Database Systems, Business Intelligence, Statistical Analysis, Data Visualization
- GPA: 3.8/4.0