BHAVYASREE CHINTHALA

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OBJECTIVE

Data Engineer with hands-on experience designing, building, and optimizing scalable ETL pipelines and analytics-ready data solutions. Strong proficiency in Python, SQL, Spark, Hadoop, and cloud platforms. Experienced in data modeling, data validation, CI/CD automation, and visualization using Tableau. Proven ability to collaborate with cross-functional teams to deliver reliable, production-grade data systems supporting analytics and data-driven decision-making.

EDUCATION

Master's in Data Science, Saint Peter's University	2023–2025
B.Tech in Electronics and Communication Engineering, Hindustan University	2018–2022

SKILLS

Programming & Scripting	Python, SQL, R
Data Engineering	ETL Pipelines, Data Modeling, Data Validation, Analytics Engineering
Data Analytics	Statistics, Regression Analysis, Exploratory Data Analysis, KPI Reporting
Data Visualization	Tableau, Excel (Pivot Tables, Charts), Matplotlib, Pandas
Databases & Big Data	Oracle, Hadoop, Spark, RDBMS, NoSQL
DevOps & Cloud	GCP, CI/CD Pipelines, Version Control, Cloud Computing

EXPERIENCE

Data Engineer   2022–2023
HCL Technologies   Chennai, India

- Designed, developed, and maintained scalable batch data pipelines using Python, SQL, Spark, and Hadoop to process large datasets from multiple sources.
- Built and optimized analytics-ready datasets by applying data modeling techniques across Oracle-based data platforms.
- Implemented ETL workflows, data validation checks, and pipeline monitoring to ensure accuracy, reliability, and consistency of production data.
- Supported analytics and reporting use cases by transforming raw data into structured, high-quality datasets.
- Collaborated with cross-functional engineering and analytics teams to deliver data solutions aligned with business requirements.
- Improved deployment reliability by following version control best practices and contributing to CI/CD workflows.

Data Engineer Volunteer   2025
Bright Mind Enrichment and Schooling   Remote

- Developed ETL pipelines for data ingestion, cleaning, transformation, and validation using Python, R, and SQL.
- Built and documented data models to support reporting, analytics, and program evaluation.
- Performed statistical analysis and regression to assess program effectiveness and outcomes.
- Created dashboards and visualizations using Tableau, Pandas, and Matplotlib to communicate insights to stakeholders.
- Collaborated with team members to improve data accuracy, documentation, and reporting efficiency.

PROJECTS

Positive Social Impact Tool (PSIT)

- Designed a data-driven analytics platform to map, measure, and visualize Positive Social Impact indicators across Charlotte ZIP codes.

- Integrated demographic, environmental, land-use, and accessibility datasets using Python and SQL to identify areas of social need and opportunity.

- Built analytics-ready datasets and visualizations to support data-driven decision-making for community planning and policy insights.

- Enabled transparent, impact-focused analysis by standardizing data transformations and documenting assumptions and metrics.

Cloud-Based Data Solution Project

- Deployed containerized data workflows using Docker and Kubernetes to ensure reliable and scalable production execution.

- Implemented CI/CD pipelines and version control to support iterative development, testing, and deployment of data solutions.

Data Quality and Analytics Project

- Conducted data validation, quality checks, and monitoring across large datasets stored in RDBMS and NoSQL systems.

- Generated actionable insights while supporting data governance, compliance, and reporting requirements.

CERTIFICATIONS

- IBM Data Science Professional Certificate

- IBM Artificial Intelligence Practitioner Certificate V2

- Introduction to Programming with MATLAB – Coursera