

SUMMARY

- Around 4 years of experience as a Data analyst, Report Development and writing SQL and Python scripts, and Proficiency in gathering requirements, collecting data, and building Tableau Dashboards for decision making.
- Experience Software Development Life Cycle (SDLC) phases including Agile and Waterfall methodologies.
- Experience in creating the test strategies (TS), and Test Plans (TP) and performing functional testing, business requirement testing, data requirement testing, and system integration testing.
- Good experience in functionality of Tableau, Power BI along with experience in report making, dashboard creation.
- Capable of Text Analytics, generating data visualizations using Python, and creating dashboards using tools such as Tableau, Power BI, and MS Excel. Good knowledge in data engineering tools and building ETL pipelines.
- Developed data wrangling through data gathering and querying process over SQL and implemented data cleaning process with Python. Knowledge of various RDMS like MYSQL, PostgreSQL, and SQL Server.

EDUCATION

- Masters in Computer Science, California State University, East Bay May 2023
- Bachelors in Electronics and Communications Engineer, Jawaharlal Nehru Technological University June 2021

SKILLS

Programming Languages and packages: Python, SQL, Scala, Java, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, SciPy

Big Data Technologies: Hadoop, Spark, Kafka, Hive, Apache Airflow

ETL and Visualization Tools: Talend, Informatica, Apache NiFi, Power BI, Tableau.

Cloud Platforms: AWS, Azure, Google Cloud Platform (GCP).

Database Technologies: MySQL, PostgreSQL, MongoDB, Oracle, Cassandra, DB2

Scripting: Shell scripting, PowerShell

Tools: Apache Spark, Apache airflow, JIRA, GIT, Snowflake, AWS Glue, Azure Synapse, Azure Data Factory, Azure Data bricks, SSIS.

Data Analysis Activity: Data Modeling, Performance Tuning, Data Profiling, Data Mining

Other skills : Docker, Kubernetes Git, SVN

PROFESSIONAL EXPERIENCE

Data Analyst, Boston Scientific, Boston, MA

Jan 2023-Present

- Led a team in analyzing patient data using Python and SQL to identify trends, resulting in a 15% increase in early diagnosis rates for cardiovascular diseases, directly impacting patient outcomes and reducing long-term healthcare costs for Boston Scientific's clients.
- Collaborated with cross-functional teams to gather and analyze healthcare data, providing insights into patient outcomes, resource utilization, and operational efficiency
- Conducted exploratory data analysis to identify trends, patterns, and anomalies in large datasets, contributing to improved patient care and operational excellence.
- Conducted comprehensive data analysis on diverse datasets using SQL, Python, and Excel to extract meaningful insights for business decision-making.
- Conducted statistical analysis to uncover insights related to patient demographics, treatment outcomes, and healthcare costs.
- Developed a statistical dashboard using Power BI to track key performance indicators (KPIs) such as patient wait times and treatment success rates, enabling data-driven decision-making and improving operational efficiency by 25%.
- Performed ad hoc analysis of data sources for all external and internal customers.
- Developed and maintained ETL processes, ensuring seamless data flow and data integrity across various platforms.
- Implemented machine learning algorithms with TensorFlow to analyze electronic health records (EHRs), identifying patterns for personalized patient care plans and reducing readmission rates by 12%.
- Implemented Generative Adversarial Networks (GANs) as part of Gen AI initiatives, generating synthetic medical data for testing algorithms.
- Built LLM conversational chat bot using Azure Cognitive search, Azure data factory, and Azure ML Prompt flow.

Data Analyst, Growme, CA

Jan 2022-Jan 2023

- Worked with various business users to gather reporting requirements and understand the intent of reports and attended meetings to provide updates on the status of the projects.
- Conducted exploratory data analysis (EDA) to uncover insights and trends, supporting business strategy development.
- Collaborated with cross-functional teams to identify key performance indicators (KPIs) and develop dashboards using tools such as Tableau for effective data visualization.
- Involved in data manipulation, development, and validation of data models using R, and SQL.
- Working with various Python IDE like Jupyter Notebook and Visual Studio Code.
- Programming utilities in Python that use packages like SciPy, NumPy, and pandas.
- Created and published multiple dashboards and reports using Tableau Desktop and published them to the server.
- Designed, built, and maintained scalable data pipelines for efficient data extraction, transformation, and loading (ETL) processes.
- Leveraged the capabilities of Spark within Azure Databricks for distributed computing, facilitating intricate data transformations for robust analytics on professor ratings.

Data Analyst, Intex Technologies, India

May 2020-Jun 2021

- Facilitated the monitoring and optimization of ETL performance, undertaking tasks such as database tuning, query optimization, and performance enhancements for ETL workflows. Contributed to data definitions, data storage infrastructure enhancement, and data mining architectures, promoting a data-centric approach to decision-making.
- Created interactive dashboards using Plotly and Seaborn, resulting in a 25% improvement in data comprehension among non-technical stakeholders.

PROFESSIONAL EXPERIENCE

- Data Engineering on Microsoft Azure DP-203 Certified, Microsoft

March 2023