

## Roles

Data Scientist

BI Engineer

Associate BI Engineer

## Technologies

MS SQL Server

SQL Server Integration Services

SQL Server Reporting Services

Power BI

Python

## Industries

BI Consultant & IT Solution Provider

Pharmaceutical IT Services

HealthCare

## Functional Expertise

Data Engineering

BI Engineer

ETL Development

SQL Development

Problem Management

## Education

### BS Computer Science (4-Years)

2017-2021

• Virtual University of Pakistan

3.45/4.0

### F.Sc (Pre-Engineering)

2015-2017

• Saha Group of Colleges

## Summary

Results-driven data scientist with 3+ years of experience specializing in advanced data science solutions. Proficient in ML, MLOps, and NLP. Experienced in architecting sophisticated data ecosystems, optimizing algorithmic performance, and fine-tuning model efficiencies with a seasoned data science perspective. Skilled in Python, SQL, and cutting-edge tools for analysis, modeling, and report generation. Collaborative team player ensuring data accuracy, integrity, and security. Proven track record managing multiple projects and delivering high-quality work within tight deadlines.

## Relevant Consulting Engagements

### BrickClay (BI Consultant & IT Solution Provider)

#### Data Analyst / BI Engineer

(July 2021 – March 2022)

- Responsible for designing, developing, and maintaining data warehouse structures, including dimensional models, star schemas, or snowflake schemas.
- Collaborated with Agile teams to prioritize and deliver ETL-related user stories and tasks, participated in backlog refinement sessions, and contributed to sprint planning meetings.
- Created ETL (Extract, Transform, Load) processes to extract data from various sources, transform it, and load it into the data warehouse.
- Designed, developed, and implemented ETL workflows and scripts using tools like SSIS. Analyzed large datasets using tools such as SQL, Excel, or Python.
- Analyzed and optimized data warehouse performance by identifying and resolving performance bottlenecks, optimizing queries, and implementing indexing and partitioning strategies.
- Monitored and tuned ETL processes to improve efficiency and reduce processing times.
- Collaborated closely with cross-functional teams, including product owners, developers, data analysts, and business intelligence specialists, to gather requirements and design the infrastructure for data extraction, transformation, and loading (ETL) processes.
- Provided technical leadership and guidance to junior team members, fostering a collaborative and Agile work environment.
- Documented data warehouse processes, data flows, ETL workflows, and system configurations. Created technical documentation and facilitated knowledge sharing with team members and end-users.
- Developed reports and dashboards to present data-driven insights and trends to stakeholders using Power BI or Excel visualization tools. Created visually appealing and informative visualizations that effectively communicated key findings.

**Technologies Deployed:** Python, Power BI, MS SQL Server, SSIS, SSAS, SSRS, Anomaly Detection, Data Pipelines

## Certifications

Databases and SQL for Data Science  
August 30, 2022

IBM Data Science Professional Certificate  
January 11, 2022

OCI Foundations Associate  
July 23, 2021

Data Analysis Using Python  
August 03, 2020

Analyze Financial Data with Python  
November 21, 2020

## LinkedIn Learnings

Learning Docker  
Learning Kubernetes  
Introduction to VMware

## Honors & Awards

Annual Project Team Award (2022)  
Second Position in Bachelor (2017)

## Tharsol (Pharmaceutical IT Services)

### Senior Data Scientist

(April 2022 – Present)

- Developed a Rasa-based chatbot with advanced NLP capabilities, resulting in significant cost savings and improved customer interaction.
- Enabled sophisticated database querying for precise chatbot responses, deployed on Docker for seamless integration across mobile and web platforms.
- Implemented a facial recognition-based attendance system, enhancing security through an innovative offline, lightweight application.
- Collaborated with cross-functional teams to automate data collection processes, utilizing Python scripting to streamline data extraction, transformation, and loading (ETL) workflows from various sources into a centralized database.
- Revolutionized QA processes with automation, significantly reducing testing time and manual labor, thereby accelerating product updates.
- Spearheaded the development of predictive models for drug demand forecasting, utilizing historical sales data and external factors to enhance supply chain management and reduce stockouts.
- Implemented data pipelines to integrate real-time sensor data from drug manufacturing equipment, enabling proactive maintenance and quality control through anomaly detection.
- Utilized Business Intelligence tools to create interactive dashboards and reports for stakeholders, providing real-time insights into key performance indicators, market trends, and regulatory compliance metrics.
- Collaborated with regulatory affairs teams to automate the generation of compliance reports, ensuring timely submissions to regulatory bodies and minimizing compliance risks.
- Mentored junior team members in best practices for data preprocessing, model selection, and result interpretation, fostering a culture of continuous learning and skill enhancement.

**Technologies Deployed:** Python, Machine Learning, ETL, Docker, Compliance Automation, Chatbot, LLMs, Business Intelligence Tools, etc.