

Robin Singh

Data Analyst

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Profile Summary

- ✓ 2+ years of IT experience specializing in Data Analysis, business intelligence, and data warehousing across Test and Production environments.
- ✓ Proven track record of effectively applying a variety of statistical methods to derive actionable insights and drive decision-making.
- ✓ Extensive proficiency in data cleaning, transformation, and manipulation using tools such as Python, SQL, and Excel.
- ✓ Adept at working with APIs and utilizing tools such as Postman for efficient data handling.
- ✓ Demonstrated excellence in Report creation and Dashboards, showcasing the ability to construct complex insights into attractive layman graphs.
- ✓ Skilled in generating insightful reports on Power BI for data visualization and in-depth analysis.
- ✓ Capable of understanding client needs, collaborating with diverse groups, proposing efficiency-enhancing ideas, implementing technical solutions, and providing end-user training.
- ✓ Proven experience in Azure services, including Azure SQL, Azure Data Lake, and Azure Synapse.

Current Profile

Currently working with IT Convergence as Data Analyst (16th Mar'22 to Till Date).

Educational Qualification

Year	Board	Educational Qualification
2019	Delhi University	Bachelor in Commerce
2017	YMCA Delhi	Diploma in Management

Technology Stack

Programming & Query Languages	Python, PySpark, SQL, HTML, CSS,
Data Manipulation and Analysis	Excel, Pandas, NumPy
Reporting and Dashboard	Power BI, Tableau, Matplotlib, Seaborn, Excel
Azure Stack	ADF, ADLS Gen2, Azure Databricks, Azure Synapse
Statistical Analysis and ML	Python SciPy and Scikit-learn
Operating System	Windows 7/8/8.1/10/11
Other Tools	Jupyter, Git, Tosca DI (Data Integrity Testing)

Professional Experience

IT Convergence (Mar 2022 – Present)

Project #1: Comprehensive Data Analysis and Quality Dashboard

Role: Data Analyst

Team Size: 3

This project is strategically designed to collect and Analyse quality reports from testers, developers, and product feedback. The aim is to provide valuable data and insights that are essential for making informed decisions about our customer base. This initiative is geared towards enhancing decision-making capabilities across the organization by leveraging comprehensive information gathered from various sources.

Responsibilities: -

- ✓ Implemented robust ETL processes using Azure Data Factory to seamlessly collect and integrate data from disparate sources, including APIs and multiple platforms.
- ✓ Utilized Azure cloud services to perform advanced data transformations, ensuring compatibility and uniformity across diverse datasets.
- ✓ Orchestrated the transfer of transformed data to a centralized Data Warehouse, optimizing storage and retrieval efficiency.
- ✓ Implemented Jupyter Notebooks with Python, leveraging tools such as PySpark and Pandas for in-depth analysis and exploration of the integrated data.
- ✓ Developed intricate Power BI queries to extract relevant data subsets, applying SQL knowledge for optimized data retrieval.
- ✓ Crafted visually compelling dashboards using Power BI to convey actionable insights derived from the integrated and transformed data.
- ✓ Presented detailed data analyses and visualizations to stakeholders, demonstrating the impact of the integrated data on informed decision-making.

Environments: - Azure Data Factory, Azure Cloud Services, APIs (various platforms), Data Warehouse, Jupyter Notebooks (PySpark, Pandas), Power BI, SQL (Structured Query Language).

Project #2: Unified People Insights Dashboard Implementation

Employer: IT Convergence

Role: Consultant – Data Analyst

Team Size: 3

Our Unified People Insights Dashboard Implementation project aimed to revolutionize data-driven decision-making in IT convergence's People Operations. The project's primary objective was to design and implement dashboards that provide comprehensive insights into various aspects of HR, including hiring, promotion, retention, and inclusion practices.

Responsibilities: -

- ✓ Collaborated with cross-functional teams to gather requirements and plan the development of unified people insights dashboards.
- ✓ Utilized SQL for data manipulation and analysis to distil meaningful insights from diverse data sets.
- ✓ Developed front-end reporting within the Microsoft Power BI environment.

- ✓ Partnered with the Human Resource Analytics ecosystem to translate research and program initiatives into actionable insights for leaders and People Partners.
- ✓ Applied creative and structured problem-solving to connect disparate data points into cohesive recommendations.
- ✓ Contributed to the enhancement of shared analyst infrastructure, including the code base and business intelligence stack.
- ✓ Employed data visualization and analytical skills to simplify business flows and create compelling data narratives.

Environments: - Power Bi, Excel, Python, Pandas, SQL

Project #3: Data Integrity and Quality Testing

Employer: IT Convergence

Role: Consultant - Data Analyst

Team Size: 3

Our Data Integrity and Quality Testing Initiative is a comprehensive project aimed at ensuring the reliability, accuracy, and overall quality of our organization's data assets. Focused on maintaining the highest standards of data integrity, this project employs a systematic approach to identify, rectify, and prevent data inconsistencies across various sources.

Responsibilities: -

- ✓ Developing automated test cases to ensure data integrity and quality testing.
- ✓ Crafting SQL queries to extract data from SQL Server and Azure Synapse Data Warehouse sources.
- ✓ Creating SQL scripts to aggregate data in alignment with the requirements of target data sources.
- ✓ Authoring PowerShell commands for file manipulation tasks.
- ✓ Formulating test cases for the thorough testing of Power BI reports.
- ✓ Automating email notifications for Quality-of-Service reports upon the execution of test cases.

Environments: - SQL Server, Azure Synapse, ADLS Gen2, Power BI, Tosca DI.

Certification

- ✓ Machine Learning | Jovian
- ✓ Data Analytics and Statistics | Google
- ✓ Data Analytics Essentials | IBM

Achievements & Awards

- ✓ Kaggle Grandmaster “Achieved 15 gold medals and helped contribute to the platform”

Activities

- ✓ Participated in multiple Events like Music fest, Dance, Quiz
- ✓ Active Guitarist and singer participating in fun activities within the organization.

Hobbies

- ✓ Guitarist & Singing
- ✓ E-Sports gamer

✓ Exploring new technologies