

Siddharth Singh

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Summary

I'm passionate about forging a career in a diverse range of fields, including Python, Data Analytics, Machine Learning, Data Science, and Web Development. With over 2.10 years of hands-on experience, I've been responsible for overseeing Infrastructure Monitoring Operations utilizing SolarWinds. Additionally, I've adeptly analyzed operational data using Power BI to craft real-time dashboards for a retail client based in Kuwait.

My skill set extends to encompass Excel, Tableau, SQL, Python, Django, and a foundational understanding of machine learning, including the basics and various models. I'm proficient in utilizing Numpy and pandas for in-depth Data Analysis, while I can also create captivating charts and graphs using Matplotlib and Seaborn.

Experience

System Engineer, TCS, Bengaluru

Dec 2021 - Present

- Handling Infrastructure Monitoring Operations using SolarWinds & NewRelic, collaborating with other teams to perform backup activities.
- Spearheaded a transformative project for a leading retail client, addressing the challenge of Analyzing over 65,000 monthly alerts to enhance IT operational efficiency.
- Utilized advanced data analytics skills to identify appropriate Business Intelligence (BI) tools, leading to the selection and implementation of Power BI for streamlined analysis.
- Developed a localized data repository and seamlessly integrated it into Power BI, eliminating manual data-cleaning processes and reducing analysis time from 8-9 hours to under 15 minutes.
- Designed intuitive dashboards and visualization techniques to transform raw data into actionable insights, providing immediate access to critical information for informed decision-making.
- Led efforts to ensure data accuracy, integrity, and technical feasibility during the integration process, resulting in stabilized IT infrastructure and enhanced operational reliability.
- Created a comprehensive dashboard for Starbucks operations highlighting key metrics such as regional performance, store analysis, types of alerts received, and trends in overall store operations stability.
- Developed the dashboard independently, utilizing Power BI to integrate and visualize data despite limited visibility into the alert console (Datadog).
- Proactively identified future expansion opportunities in Starbucks operations, providing valuable insights for strategic growth initiatives beyond current business unit operations.
- Demonstrated strategic thinking and innovative use of Power BI to provide actionable insights for enhancing operational efficiency and supporting overall business growth objectives.

Assistant System Engineer – Trainee, TCS, Bengaluru

Aug 2021 – Nov 2021

- Handling Infrastructure Monitoring Operations using SolarWinds, collaborating with other teams to perform backup activities.

Education

Sapthagiri College Of Engineering, Bengaluru

Bachelor of Engineering - BE, Computer Science (2017-2021), CGPA – 7.93

Skills

Python, Microsoft Excel, Power BI, Tableau, Data Analysis, SQL, Data Cleaning, Data Visualization, Machine Learning, Deep Learning, Django

Certifications

- Google Data Analytics Specialization - Coursera
- Excel Skills for Business Specialization - Coursera
- Microsoft Power BI Desktop for Business Intelligence - Udemy
- Google Advanced Data Analytics Certificate - Coursera
- Learn SQL Basics for Data Science Specialization - Coursera
- Data Visualization with Tableau Specialization - Coursera
- NPTEL Python Certification – IIT, Madras

Personal Projects

- [Adventure Works – Power BI Dashboard](#)
Analyzed sales data for Cyclistic shop to track customer trends and optimize product offerings.
- [Cyclistic Bike-share Analysis Case Study](#)
This Capstone project focuses on a comprehensive analysis of the distinct usage patterns between annual members and casual riders of Cyclitic bikes.
- [Customer Dashboard with Microsoft Excel](#)
I have successfully developed a fully functional dashboard in Excel, enhancing its capabilities through the integration of VBA coding.
- [Tableau Visualization Public Profile](#)
This is a compilation of diverse visualizations crafted using Tableau.

- [Covid 19 Data Exploration](#)

In this project, we employ SQL Server to analyze and investigate global COVID-19 data, aiming to gain valuable insights and trends from the pandemic's statistics.

- [SportsStats \(Olympic Games dataset - 120 years of data\)](#)

This is a Capstone Project in which we analysed how Athletes have performed in Olympics over the last 120 years and what are the correlations that can be drawn from their performance.

- [Zomato Data Exploration](#)

In this project, we utilize SQL Server to delve into and analyze simulated Zomato data, gaining insights and conducting various queries on the dataset.

- [Indian Census 2011 Data Exploration](#)

In this project we use SQL server to explore Indian Census 2011 data.

- [Machine Learning - House Price Prediction](#)

This project assists in predicting house prices in Bengaluru based on various locations, providing a user-friendly graphical interface (GUI) for convenient and intuitive interaction with the pricing prediction model.

- [Machine Learning - Sports Celebrity Face Recognition](#)

This project offers the capability to predict the name of a celebrity by processing an input image. It provides a user-friendly graphical interface (GUI) for end users to easily interact with the system.

- [Faasos Data Exploration](#)

In this project, we leverage SQL Server to delve into and explore the simulated Faasos dataset.

Links

- [Personal Portfolio](#)
- [LinkedIn Profile](#)
- [Tableau Profile](#)