

# ROUNAK SAHA

Data Analyst

[Gmail](#) | [GitHub](#) | [LinkedIn](#) | [Portfolio](#) | [Kaggle](#) | [Tableau](#)  
Bangalore, India | +91-7439747306

## SKILLS

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<b>Programming Languages:</b>	R Programming (Markdown, tidyverse, lubridate, ggplot2, geosphere)
<b>Databases:</b>	MySQL Server
<b>BI &amp; Visualization Tools:</b>	Tableau, IBM Cognos, MS Excel (Pivot Table, VLOOKUP, Conditional Formatting)

## PROJECTS

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### CYCLISTIC BIKE SHARE ANALYSIS

July 2024

- Utilized **R Studio** to analyze ride data to design marketing strategies aimed at converting casual riders into annual members.
- Cleaned and preprocessed 5,000,000 rows using **tidyverse** in **R Studio** to prepare data for analysis reducing data processing time by approximately 25%.
- Implemented data visualization techniques using **ggplot2** to provide insights into usage patterns.
- Produced a comprehensive **Markdown** report that included a detailed analysis of over 4 million ride records, uncovering critical insights and aiding in the design of a new marketing strategy to convert casual riders into annual members.

### BELLABEAT DATA ANALYSIS

June 2024

- Cleaned and prepared the data (30 Fitbit users) to be worked on using **R Studio** libraries like **tidyverse**, **lubridate** and **sqldf**.
- Answered statistical questions and visualized the results to identify trends and relationships among participants by finding correlations between different variables. Built report and communicated results.

### HOUSE SALES IN KING COUNTY, USA

April 2024

- Created a dynamic dashboard using **Tableau**, resulting in 7 visualizations of pricing trends, property characteristics, and geographical distribution of house sales.
- Performed extensive data cleaning in **Excel** on 21,000 rows of house sales data, including handling missing values, removing duplicates, and standardizing data formats, ensuring data accuracy.

### HR ANALYTICS DATA EXPLORATION

April 2024

- Analyzed HR metrics of 1400 employees, such as job satisfaction and attrition rates using **SQL** queries in **MySQL Workbench** to explore the data and gain actionable insights.
- Designed a **Tableau** dashboard that improved HR decision-making speed by 20%, offering clear and actionable insights into employee demographics, education levels, and department-based workforce stability.

## WORK EXPERIENCE

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### COGNIZANT TECHNOLOGY SOLUTIONS, Bangalore, IN

Mar 2022 – Mar 2023

#### Programmer Analyst

- Prepared and validated more than 700 test scripts in EXCEL and HP ALM over 3 integration test cycles (SIT) which resulted in a 20% reduction in post-launch defects.
- Produced reports using Excel Pivot Tables which helped reduce processing time by 50%.
- Created comprehensive documentation and led end-user training sessions for UAT testing, which improved user adoption rates by 65% for new processes.

## EDUCATION

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### UNIVERSITY OF GLASGOW, Glasgow, UK

Oct 2020

Master of Science – MSc, Mechanical Engineering and Management

### SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, Chennai, IN

May 2018

Bachelor of Technology – BTech, Mechanical Engineering

## CERTIFICATIONS

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- Google Data Analytics Professional Certificate on Coursera
- Data Visualization and Dashboards with Excel and Cognos on Coursera