

# SURAJ NAG

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## Skills

- SQL | Python | Excel | Tableau | Metabase | Looker | Power BI | Google Data Studio | Probability | Statistics | PostgreSQL | MongoDB
- Big Query | Firebase | CI/CD | Google Analytics 4 | AWS Redshift | Google Tag Manager | Amplitude | Mixpanel | Clevertap | Git | Github
- Machine Learning | Deep Learning | Scikit-Learn | Pandas | Numpy | Tensorflow | NLP | Look ML | Langchain | Airflow | Spark | Airbyte

## Experience

### Data Analyst

#### Open Financial Technologies

Bangalore

12/2022 - Current

- Automating **reporting and alerts** using **Metabase** to streamline data analysis and keep teams informed of real-time data changes.
- Creating interactive visualizations using Looker and BigQuery, simplifying complex datasets and enabling management to make decisions.
- **Optimizing SQL queries, reducing the runtime to 90%**, and improving the efficiency of data retrieval by using models in Metabase. This allowed for **faster download of large data sets** from inception.
- Creating **modules, derived tables, and views in Looker** to facilitate the creation of dynamic and informative visualizations.
- Collaborating with cross-functional teams such as lendings, product, finance and product support to identify key performance indicators and develop data-driven strategies for achieving business goals.
- Migrating large-scale datasets to **BigQuery using Google Cloud Platform**, enhancing data accessibility and expediting analysis.
- Developing **python scripts** for various tasks such as **data transformation and automation initiatives** for the product and finance teams.

### Data Analyst

#### Mojocare

Bangalore

09/2021 - 12/2022

- **Automated tasks such as daily reports and data extraction**, resulting in significant time savings and increased efficiency.
- Developed models and metrics to achieve business goals to measure progress, which led to a 20% improvement in decision-making time.
- Composed advanced queries for data fetching and preliminary analysis, as well as creating dashboards to visualize data and insights.
- Improving data fetching efficiency by approximately **30% through query optimization techniques**.
- **Designed the entire event architecture for analytical platforms** like Mixpanel, Clevertap, and GA 4 for both website and App.
- Developed **algorithms for a feature on the app** based on **statistical and predictive modeling**, improving the user experience.
- Designing, documenting, implementing, and monitoring a complete marketing **data warehouse**, enabling data-driven decision-making.
- **Automated the manual data reconciliation process** between different sources, **increasing data accuracy and efficiency by 90%**.
- Implemented **data pipelines using Hevo**, an end-to-end data pipeline platform, and developed **Python scripts** for data analysis and transformation, enabling efficient data processing and analysis.

### Data Analyst

#### Eloelo

Bangalore

12/2020 - 09/2021

- Developed and reported KPIs for a mobile application with **500K users using PostgreSQL, MongoDB, Excel, Google Sheets, and Python**.
- Built data and reporting infrastructure from scratch using SQL to provide insights into the **product, funnels, and business KPIs**.
- Utilized **Google Analytics and Facebook Analytics** to create dashboards for user funnel analysis.
- Collaborated with the tech team to enhance database standards and analytics requirements.
- Conducted advanced analytics, **set up data analytical tools**, and maintained models while on-boarding new datasets.
- Assisted in designing, documenting, implementing, and monitoring new products, features, and processes.

### Engineer, Intern

#### Bosch Rexroth

Bangalore

07/2020 - 08/2020

- Performed analysis on various business channels such as consumer experience and reporting to identify growth strategies and actions.
- Developed and maintained systems using data-driven analysis, including a reporting system for production faults and log settings.

## Education

### Bachelor of Engineering

#### RajaRajeswari College of Engineering

Bangalore

08/2016 - 09/2020

- Major in Mechanical Engineering
- CGPA: 7.12

## Projects

- **Machine Learning:** Developed **machine learning models** for predicting heart disease based on medical attributes.
- **Deep Learning:** Created an end-to-end multi-class image classifier **deep learning model** using TensorFlow 2.0 and TensorFlow Hub.
- **Visualization:** Utilized Kaggle datasets to build a local database, perform EDA using SQL, and build data visualizations using **Tableau**.
- **Python:** Proficient in web scraping, data analysis, and scripting using Python.
- **Web App:** **Spam Detector** and **Book Recommender** app, powered by machine learning and Streamlit.
- **AI:** Developed a **domain-specific chatbot** using LLMs and Langchain with external sources of computation and data.

## Others

- **Medium:** Writing data science articles on [Medium](#) to share insights and promote knowledge sharing within the community.