

Jay Kachhadiya

Data Analyst / Engineer

M.Sc. E-Government student with a focus on **data-driven insights and decision-making**. Proficient in **SQL, Python, Data Analytics Tools, and Machine Learning**, complemented by hands-on experience with **ETL processes** and **Cloud Platforms**. Adept at uncovering opportunities through analytical thinking and eager to contribute to a dynamic, impact-driven team.

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EDUCATION

M.Sc. E-Government University of Koblenz

04/2024 - Present

Koblenz, Germany

Courses

- **Data Science, Machine Learning, Optimization, Big Data, Artificial Intelligence, Business Software, Enterprise Architecture**

Bachelor of Computer Applications (BCA) Shashtri Swami Shree Dharamjivandasji Institute of Information Technology (SSSDIIT)

07/2019 - 06/2022

Junagadh, Gujarat, India

Courses

- **Data Structures and Algorithms, DBMS, Software Engineering, Computer Networks, Web Development, Mobile Application Development**

WORK EXPERIENCE

Business Intelligence Analyst Intern NopCypher

10/2022 - 05/2023

Surat, Gujarat, India

Achievements/Tasks

- Visualized **complex data trends** using **Power BI**, enabling leadership to make informed decisions based on real-time insights.
- **Created interactive dashboards** in **Power BI** to **visualize complex data sets**, enabling stakeholders to **make data driven decisions**.
- **Cleaned and normalized large datasets** using **Python** and **SQL** to ensure **data accuracy and consistency** across multiple sources.

Data Analyst Intern Avadh Web

07/2022 - 09/2022

Junagadh, Gujarat, India

Achievements/Tasks

- **Cleaned, transformed, and analyzed large datasets** using **Python** and **SQL** to deliver trustworthy, analysis-ready data.
- Ran **exploratory data analysis** to **uncover trends, patterns, and outliers**, then turned findings into clear, practical recommendations.
- Built **dashboards and reports** to track key metrics, using **data visualization, statistical analysis, and machine learning techniques** to support stakeholder decisions.

SKILLS

Python

R

SQL

Power BI

Tableau

Matplotlib

Seaborn

Pandas

Numpy

ETL

Machine Learning

Scikit-Learn

Statistical Analysis

Google Cloud Platform (BigQuery)

AWS

Databricks

Jupyter Notebook

Git

VS Code

Excel

PERSONAL PROJECTS

INX Future Inc Employee Performance (01/2024 - 02/2024)

- **Cleaned** and **analyzed employee data** using **Pandas** in **Jupyter Notebook** to identify **key performance indicators**.
- Built classification models (**Logistic Regression, Random Forest, XGBoost**, etc.) achieving **92.33% accuracy** in salary prediction.
- Visualized insights using **Matplotlib** and **Seaborn** for clear and effective **data communication**.

Customer Churn Business Case (11/2023 - 12/2023)

- Analyzed customer behavior and identified churn factors using **statistical methods**.
- Built and tuned **machine learning models (Logistic Regression, Random Forest)** achieving **91.33% accuracy** in churn prediction.
- Visualized key insights and trends with **Matplotlib** and **Seaborn** in **Jupyter Notebook**.

Zomato Restaurants Analysis using Power BI (09/2023 - 10/2023)

- Developed interactive **Power BI dashboards** to **analyze Zomato restaurant data** across 15 countries, 141 cities, and 9,500+ restaurants.
- **Created data visualizations** for cuisine popularity, restaurant ratings, and service availability (table booking & online delivery).
- Performed **data modeling and analysis** using **DAX** to uncover trends in customer ratings, cuisine distribution, and geographic coverage.

CERTIFICATES

Data Analysis with Python

Machine Learning with Python

Microsoft Power BI Data Analyst

BigQuery for Data Analysts

Apache Spark Programming with Databricks

LANGUAGES

English

Full Professional Proficiency

German

Limited Working Proficiency