

# Jay Kachhadiya

Analytical graduate student pursuing M.Sc. E-Government student. Proficient in **Python, SQL, Excel, Power BI, and Tableau**, complemented by hands-on experience with **Machine Learning, ETL processes** and **Cloud Platforms**. Adept at uncovering opportunities through analytical thinking and eager to contribute to a dynamic, impact-driven team.

✉ jaykachhadiya.is@gmail.com

📍 Koblenz, Germany

🌐 [linkedin.com/in/jaykachhadiya012](https://www.linkedin.com/in/jaykachhadiya012)

📞 +49 17614793309

📄 [jaykachhadiya012.github.io](https://github.com/jaykachhadiya012)

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## EDUCATION

### M.Sc. E-Government University of Koblenz

04/2024 - Present

Koblenz, Germany

Courses

- **Data Science, Machine Learning, Big Data, NLP, 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, Web Development, Computer Networks**

## WORK EXPERIENCE

### Business Intelligence Analyst Intern NopCypher

10/2022 - 05/2023

Surat, Gujarat, India

Achievements/Tasks

- Used **SQL, Python, and Excel** for **data analysis**.
- Conducted **Exploratory Data Analysis (EDA)** with **Python** to reveal customer behavior trends.
- Created **Power BI dashboards** for **visualizing insights**.
- Developed **automated ETL data pipeline workflows** with **Databricks** and **Python**, reducing manual work.
- Applied **statistical techniques (regression analysis, hypothesis testing)** to identify **patterns** and **trends** in large datasets for strategic decisions.
- Collaborated with teams to define **KPIs** and **performance metrics**, boosting operational efficiency.
- Implemented **predictive models (linear regression, decision tree, random forests)** to improve **forecasting accuracy**.

### 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

SQL

Power BI

Tableau

MySQL

Machine Learning

Pandas

Numpy

Seaborn

Matplotlib

ETL

EDA

Scipy

Scikit-Learn

Statistical Analysis

Excel

Plotly

Alteryx

Google Cloud

AWS

Databricks

R

DAX

Web Scraping

VS Code

Jupyter notebook

Git

## PERSONAL PROJECTS

### INX Future Inc Employee Performance (01/2025 - 02/2025)

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

### Zomato Restaurants Analysis using Power BI (11/2024 - 12/2024)

- Utilized **PowerQuery** and **SQL** to extract, clean, and integrate Zomato data from **MySQL** covering **15 countries, 141 cities, and 9,500+ restaurants**.
- Applied **DAX** to create **calculated columns** and **measures** for **KPIs** like cuisine popularity, average ratings, and service availability (table booking & online delivery) in **Power BI**.
- Developed interactive visualizations in **Power BI** using **maps** and **charts** to **analyze regional performance, cuisine distribution, and customer rating trends**.

## CERTIFICATES

Data Analysis with Python

Machine Learning with Python

Microsoft Power BI Data Analyst

Advanced Data Visualization with Tableau

BigQuery for Data Analysts

Apache Spark Programming with Databricks

## LANGUAGES

English

Full Professional Proficiency

German

Limited Working Proficiency