

# Jhanvi Shah

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## WORK EXPERIENCE

<b>Cantonica</b> <b>Data Analyst</b>	<b>August 2024 – Present</b> <b>New York, USA</b>
<ul style="list-style-type: none"><li>Enhanced web crawler accuracy by 15% through improved data extraction methods and seamless integration with MongoDB, supporting efficient data storage and retrieval</li><li>Implemented a periodic checker system to monitor over 100 applications daily, ensuring operational validity and updating the last_checked field in MongoDB, improving data reliability by 20%</li><li>Automated post-crawl data processing using Langchain, extracting relevant fields from the raw data, reducing manual processing time by 30%</li><li>Utilized Postman to test over 50 APIs, ensuring seamless functionality, debugging errors, and validating response accuracy</li></ul>	
<b>CBRE Group Inc.</b> <b>Data Analyst</b>	<b>June 2023 – August 2023</b> <b>New Jersey, USA</b>
<ul style="list-style-type: none"><li>Conducted quantitative analysis of termination data for 10,000+ employees to identify key reasons for attrition, leveraging insights to develop a comprehensive Power BI dashboard, resulting in a 40% decrease in turnover data</li><li>Partnered with cross-functional teams to acquire data, executed end-to-end ETL processes and tailored a data pipeline leading to a 20% increase in model training times</li><li>Analyzed leaders' performance and utilized Power BI to present insights, facilitating managerial decisions on promotions that led to a 15% increase in internal promotions</li><li>Demonstrated leadership skills by instructing four senior team members in data analysis and visualization tools like Power BI, increasing team efficiency by 50%</li><li>Engineered the Leave of Absence (LOA) tracker utilizing macros and Microsoft Excel, effectively optimizing leave management processes which led to a decrease in work dependencies by 30%</li></ul>	
<b>Sportz Interactive</b> <b>Data Analyst</b>	<b>July 2021 – August 2022</b> <b>Mumbai, India</b>
<ul style="list-style-type: none"><li>Designed and automated schemas using stored procedures in PostgreSQL, tailored to meet client requirements for over 30 clients, leading to an 80% decrease in information retrieval times</li><li>Managed a team of 10 associates and provided training sessions on data analysis and dashboard development in Tableau, enhancing overall team productivity by 40%</li><li>Engineered consolidated data tables by integrating information from diverse sources through strategic joins, facilitating the implementation of enhanced functionalities on the client's platform, resulting in a substantial revenue increase of 30%</li><li>Leveraged Tableau to design compelling visualizations illustrating user engagement and revenue metrics, resulting in streamlined client presentations and a 50% reduction in decision-making timelines</li></ul>	

## PROJECTS

<b>NYC Airbnb Data Analysis and Predictive Modeling</b>
<ul style="list-style-type: none"><li>Conducted data cleaning and exploratory analysis on NYC Airbnb data, applying clustering techniques and visualizing trends through correlation heatmaps and histograms to uncover key patterns.</li><li>Developed a binary classification model to predict listing availability, achieving high precision scores, and evaluated model performance for data-driven insights</li></ul>
<b>Global Terrorism Data Analysis and Forecasting</b>
<ul style="list-style-type: none"><li>Preprocessed a global terrorism dataset using Pandas and conducted exploratory data analysis (EDA) to identify trends and patterns over time</li><li>Built a linear regression model with scikit-learn to forecast terrorism incidents, visualizing insights and predictions with Matplotlib</li></ul>
<b>Customer Churn Prediction Project</b>
<ul style="list-style-type: none"><li>Built an end-to-end data pipeline and machine learning model to predict customer churn, including ETL processes, feature engineering, and model optimization with Random Forest, achieving approximately 85% accuracy</li><li>Developed a dynamic website using React and Flask for real-time predictions and visual analytics, integrating REST APIs and interactive visualizations</li></ul>

## SKILLS

<b>Programming/Framework:</b> SQL, PostgreSQL, NoSQL, Python, NumPy, Pandas, Matplotlib, Sci-kit learn, Flask
<b>Software &amp; Tools:</b> Microsoft Excel (Pivot tables, Macros and Functions), Tableau, Power BI, Jira, Hadoop, Stata, Alteryx
<b>Cloud:</b> AWS (EC2, S3, EBS, IAM, RDS)

## EDUCATION

<b>Stevens Institute of Technology, School of Business</b> <b>Master of Science in Information Systems</b>	<b>May 2024</b> <b>(GPA:3.8/4.0)</b>
<b>St Francis Institute of Technology</b> <b>Bachelor of Engineering in Computer Science</b>	<b>June 2021</b> <b>(GPA: 3.4/4.0)</b>