

# HETANSH SHAH

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## Skills

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- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Tableau
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Microsoft Power BI
- Apache Airflow (ETL)
- **Core Competencies:** Strong analytical and problem-solving skills; excellent communication abilities; keen attention to detail.

## Projects

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### U.S. Unemployment Rate Prediction Project

- Leveraged Hadoop and machine learning algorithms for predictive modeling.
- Used techniques like linear regression and random forests to analyze data.
- Achieved 95% accuracy in predicting monthly unemployment rates.

### Pizza Sales Data Analysis.

- Analyzed and visualized pizza sales data using SQL and Excel, identifying key metrics such as total revenue and order volume.
- Developed an Excel dashboard for dynamic visualization of sales trends and performance.
- Enhanced strategic decision-making and planning by providing actionable insights through data visualization.

### British Airways Customer Satisfaction Analysis using Tableau

- Developed an interactive Tableau dashboard to analyze British Airways customer reviews, focusing on service aspects like cabin quality and comfort.
- Integrated dynamic filters for metrics such as seat type and traveler type, enhancing user engagement and data accessibility.
- Visualized trends and performance across multiple dimensions including time, geography, and aircraft models, using advanced analytical techniques.
- Derived actionable insights to inform improvements in customer service and overall satisfaction strategies.

## Certification

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### Python in Data Analysis.

*Issued by: ITS Data-Solutions Pvt Ltd Ahmedabad*

- Gained proficiency in utilizing Python for data analysis, covering libraries such as Pandas, NumPy, and Matplotlib, and applied these skills in real-world data projects.

### Agile Software Development.

*Issued by: University of Minnesota*

- Acquired comprehensive knowledge of Agile methodologies, including Scrum and Kanban, focusing on their application in software development life cycles and team collaboration.

### 100 Days of Code: The Complete Python Pro Bootcamp

*Issued by: Udemy*

- Gained proficiency in Python, covering syntax, data structures, and OOP principles.
- Developed hands-on projects including web applications, automation scripts, and data visualizations using libraries like Pandas and Matplotlib.

## Education

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**Master of Science in Computer Science**, State University of New York at New Paltz.

Jan 2023 - Dec 2024

Coursework: Data Structures and Algorithms, Data Science, Artificial Intelligence, Deep Learning, Cyber Security

**Bachelor of Engineering (BE) in Computer Engineering**, Ahmedabad Institute of Technology

Aug 2019 - May 2022