

# Neel Adalja

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## Data Analyst | Data Scientist | Python | SQL | Machine Learning

Aspiring Data Analyst and Data Scientist | Proficient in Python, R, SQL, and Data Visualization | Strong Analytical Skills with Hands-on Project Experience in Data Analysis, Machine Learning, and Business Insight

### EDUCATION

#### Master's in Data Science

Monroe College • New Rochelle • GPA: 3.87

Mar 2023 - Dec 2024

#### Bachelor's in Computer Science

State University of New York • Plattsburgh • GPA: 3.15

Jan 2017 - Jan 2021

### WORK EXPERIENCE

#### Takeo • New York

Nov 2024 - Present

##### Bootcamp Student

- Currently enrolled in an intensive Bootcamp focused on Data Analysis and AI, gaining hands-on experience with industry-standard tools libraries and methodologies.
- Strong foundational knowledge in data analysis, data science, and machine learning, with a focus on practical applications and real-world problem-solving.
- Proficient in databases and data management, including SQL and data manipulation techniques essential for data-driven roles.
- Completed multiple capstone projects, demonstrating the ability to work with large datasets and apply data analysis and machine learning techniques to solve complex problems.
- Experienced in data visualization tools such as Power BI and Tableau for presenting insights in a clear and actionable format.
- Familiar with programming languages like Python and R for data processing, statistical analysis, and machine learning tasks.

#### Purplesoft LLC • Austin Texas

Jan 2022 - Jun 2022

##### Scrum Master

- Facilitated Scrum ceremonies, including Daily Standups, Sprint Planning, Reviews, Retrospectives, and backlog refinements, for efficient 2-week sprints.
- Supported Product Owners in prioritizing and organizing the product backlog to align with business goals and deliver user-centric value.
- Collaborated with stakeholders, including Business Owners and Product Management, to define mission value and ensure alignment with Agile principles.
- Monitored and analyzed sprint metrics, such as burndown charts, to track progress and improve team performance.

#### LITS Help-Desk Technician • Plattsburgh

Aug 2017 - Jan 2021

##### Technician and Helpdesk Support

- Deploying Windows with different permissions on more than 100 PC's and setting them up for the users as per requirements.
- Provided remote support for end users via phone and in person and troubleshoot the issues on the machines.
- Documenting user issues by tickets using "ServiceNow" and resolving/moving as per status.

### PROJECTS

#### Ames Housing price prediction

Dec 2024 - Dec 2024

- Designed and implemented a machine learning model to predict housing prices using a dataset with 82 features, ensuring high accuracy and interpretability.
- Performed data cleaning, feature engineering, and exploration data analysis to identify key factors influencing housing prices.
- Utilized regression techniques, including Linear Regression and Random Forest, to model housing prices and compare their performance.
- Developed interactive visualizations in Python to showcase patterns and relationships between variables using libraries like Matplotlib and Seaborn.

#### Retail Sales Insight

Nov 2024 - Nov 2024

- Conducted data preprocessing and analysis using Python and SQL to explore and clean raw sales data.
- Built interactive dashboards in Tableau to visualize sales trends, performance metrics, and key business insights.

- Identified actionable insights, including top-performing products, sales trends across regions, and seasonal patterns, enabling data-driven decision-making.
- Leveraged advanced Tableau features like calculated fields, filters, and parameters for dynamic and user-friendly dashboards.
- Demonstrated the ability to translate complex datasets into clear, actionable business insights, showcasing technical and analytical skills.

IMDB Movies Analysis

Nov 2024 - Nov 2024

- Performed web scraping using the BeautifulSoup4 library to extract IMDB movie data.
- Conducted data analysis in Python by cleaning to uncover trends and insights in movie ratings and other metrics.
- Designed an interactive dashboard in Power BI to visualize key findings and provide actionable insights.

SKILLS

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Languages: **Python, R, SQL**

Databases: **MySQL, MongoDB, PostgreSQL**

Data Visuilization: **Power-BI, Tableau, Matplotlib, Plotly.**

SDLC methodologies: **Scrum, Waterfall, Kanban, Development and Testing**

Tech and others: **Git/GitHub, Jupyter Notebook, ,VS-Code, Jira, Confluence, Postman, MS-Office, Asana, Slack**

Libraries: **Pandas, Numpy, Scikit-Learn, BeautifulSoup4**

Cloud and server: **AWS, Google BigQuery, Apache Tomcat.**

CERTIFICATIONS

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Google Data Analytics – Coursera

Certified Scrum Master - Scrum Alliance

Nov 2024 - Present

Oct 2022 - Dec 2026

VOLUNTEERING & LEADERSHIP

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Tau Kappa Epsilon

Member • Plattsburgh, New York

Student Association

Senator of Housing • Plattsburgh, New York

Serving the student body of the college and leading the housing and rez life

Aug 2018 - Present

Jan 2018 - Dec 2018