

BHAVIK VAVADIYA

Data Analyst — Machine Learning Engineer — Data Scientist

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Summary

Aspiring Data Analyst and Data Scientist with hands-on experience in Python, SQL, Excel, Power BI, Machine Learning, and Statistical Analysis. Skilled in data cleaning, data preprocessing, exploratory data analysis (EDA), predictive modeling, and dashboard development. Passionate about leveraging data-driven insights and analytical techniques to solve real-world business problems.

Skills

Programming & Querying: Python, SQL

Tools & Platforms: Advanced MS Excel, Power BI, Jupyter Notebook, Git, GitHub

Analytical Abilities: Pandas, NumPy, Data Cleaning, Data Preprocessing, Exploratory Data Analysis (EDA), Statistical Analysis

Machine Learning: Regression, Classification, Clustering, Feature Engineering, Model Evaluation, Scikit-learn

Databases: MySQL, MongoDB

Experience

Co-Founder & Project Lead

May 2025 – Present

Midnight Sphere

Remote

- Contributed to data-driven decision-making through market research, data analysis, and business insights.
- Utilized Python, SQL, and analytical techniques to evaluate trends and support strategic planning.
- Led project execution, stakeholder communication, and collaboration across development teams.
- Managed client projects while ensuring quality delivery, operational efficiency, and customer satisfaction.

Projects

House Price Prediction Model | *Python, Pandas, NumPy, Scikit-learn*

May 2026

- Developed a machine learning model to predict house prices using property attributes such as area, bedrooms, bathrooms, and location features.
- Performed data cleaning, preprocessing, correlation analysis, and feature selection to improve model performance.
- Implemented Linear Regression and evaluated performance using R^2 Score and Adjusted R^2 Score.
- Achieved 99% R^2 accuracy and generated accurate price predictions for custom user inputs.

Heart Disease Prediction System | *Python, Scikit-Learn, Pandas, Streamlit*

June 2026

- Developed a machine learning-based heart disease prediction system using clinical and patient health data.
- Implemented data preprocessing techniques including duplicate removal, feature encoding, scaling, and exploratory data analysis.
- Compared multiple classification algorithms such as Logistic Regression, KNN, Decision Tree, and SVM to identify the best-performing model.
- Deployed the trained model through a Streamlit application, enabling users to obtain instant heart disease risk predictions.

Certifications

- **Foundations of AI – Microsoft Edunet:** Learned core concepts of Artificial Intelligence, Machine Learning, and real-world AI applications.
- **Data Structures and Algorithms using Java – NPTEL, IIT Kharagpur:** Developed strong problem-solving skills and understanding of efficient data structures and algorithms.

Education

B.Tech in Computer Science Engineering

Expected: July 2027

Gyanmanjari Innovative University, Bhavnagar

CGPA: 7.58 / 10

- Relevant Coursework: Database Management Systems, Machine Learning, Artificial Intelligence, Statistics, Data Structures & Algorithms