Vikas

Data Scientist

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Motivated Data Scientist with strong skills in data analysis, visualization, and machine learning. Proficient in Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, Excel, and Power BI. Experienced in applying supervised and unsupervised learning using Scikit-learn and building interactive web applications with Flask and Streamlit. Focused on delivering clean, data-driven solutions through real-world projects.

Skills

- Programming & Scripting: Python (Data Analysis, Automation, Scripting)
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn
- Machine Learning: Scikit-learn (Supervised & Unsupervised Learning, Data Preprocessing, Model Building & Evaluation)
- Business Intelligence & Reporting: Power BI, Microsoft Excel, Streamlit (Dashboarding & Reporting)
- Web Development: Flask, Streamlit, HTML, CSS, JavaScript (Basics)
- Databases: MySQL, SQL
- IoT & Embedded Systems: Sensor Integration, Data Logging
- Other Skills: Data Modeling, Problem Solving, Debugging

Projects

Spam Detection System

Tools/Technologies: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Streamlit

- Developed a machine learning model to classify emails/messages as spam or ham.
- Implemented data preprocessing, TF-IDF vectorization, and applied models like Naive Bayes, Logistic Regression, and SVM.
- Visualized dataset distributions and evaluation metrics using Matplotlib and Seaborn.
- Built an interactive Streamlit web app for real-time spam detection with user input.
- 🔗 Live Demo: Spam Detector Pro
- 🔗 GitHub Repo: github.com/Its-Vikas-xd/Spam-Detector-Pro

House Price Prediction System

Tools/Technologies: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Streamlit

- Built a machine learning model to predict house prices based on key features (location, area, number of rooms, etc.).
- Performed data cleaning, feature engineering, and exploratory data analysis (EDA) to understand dataset trends.
- Applied and compared regression models like Linear Regression, Ridge, Lasso, Decision Tree, and Random Forest.
- Evaluated model performance using R^2 score, MAE, and RMSE.
- Developed an interactive Streamlit web app where users can input house features to get price predictions in real time.
- 🔗 Live Demo: House Price Predictor
- 🔗 GitHub Repo: github.com/Its-Vikas-xd/House-Price-Predictor

Experience

Data Science & Analytics Intern

Future Intern (1 Month)

- Gained hands-on experience in data analysis, visualization, and basic machine learning workflows.
- Worked with Python (Pandas, NumPy, Matplotlib, Seaborn) for cleaning, analyzing, and visualizing datasets.
- Built small-scale projects, including data-driven dashboards and ML-based predictors.
- Improved understanding of supervised and unsupervised learning concepts using Scikit-learn.
- Enhanced problem-solving, debugging, and analytical thinking in real-world tasks.

Eduction

High School

National Institute of Electronics and Information Technology

- O Level Software | Python | Web Development