DHRUVIT NAVADIYA

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Education

G.H. Patel College of Engineering & Technology Anand, India
B.Tech - Computer Science and Engineering (IoT) *Aug 2021 – May 2025*

Experience

Stypix Jan 2025 – May 2025
Data Science And Machine Learning Intern *Ahmedabad, India*

- Collaborated with the data science team to build predictive analytics models for healthcare use-cases.
- Developed and evaluated a diabetes prediction model using supervised learning techniques in Python.
- Applied data wrangling, outlier detection, and feature engineering on real-world patient datasets.
- Automated end-to-end model pipeline: data preprocessing, model selection, training, and evaluation.
- Utilized SQL to perform advanced data queries and extract meaningful business trends.

Projects

Diabetes Prediction | *Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn* GitHub

- Developed a machine learning model using the Pima Indians Diabetes Dataset to predict diabetes likelihood, including preprocessing steps like handling missing values, feature scaling, and exploratory data analysis.
- Implemented and compared multiple classification algorithms (Logistic Regression, Random Forest, KNN), optimizing performance through hyperparameter tuning and cross-validation.
- Achieved high accuracy and precision; visualized data insights and model evaluation using heatmaps, ROC curves, and confusion matrices.

Loan Prediction Model | *Python, Pandas, NumPy, Scikit-learn, Matplotlib* GitHub

- Developed a classification model to predict loan approval status based on customer demographic and financial data.
- Performed data cleaning, feature engineering, and handled missing values using imputation techniques.
- Applied Logistic Regression, Decision Trees, and Random Forest algorithms to evaluate prediction accuracy.
- Used confusion matrix and classification reports to assess model performance and refine based on business objectives.
- Presented insights through visualizations showing key factors influencing loan approval decisions.

Sales/Operations Dashboard using MS Excel | *Excel, Pivot Tables, Charts, Slicers, Conditional Formatting* GitHub

- Designed a dynamic Excel dashboard to visualize key performance metrics like monthly sales, revenue trends, and regional performance.
- Utilized Pivot Tables and Pivot Charts to summarize large datasets and enable easy filtering by product, region, and sales rep.
- Implemented slicers and dropdowns for interactive data exploration and trend analysis.
- Applied conditional formatting to highlight variances, top performers, and anomalies for decision-making.
- Ensured automation and scalability by using Excel formulas, named ranges, and data validation.

Technical Skills

Languages: Python, SQL, C, C++, JavaScript, HTML/CSS

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Beautifulsoup, Langchain, Huggingface

Concepts: RAG Applications, Supervised & Unsupervised Learning, EDA, Feature Engineering, Statistical Analysis, Data Wrangling, Data Cleaning

Tools And Platforms: Jupyter Notebook, VS Code, Git, Google Colab, Excel, Power BI

Honors And Achievements

Introduction to Devops View
Data Visualization with Python View
Introduction To Structured Query Language(SQL) View
C++ For C Programmers View