Pratik Bharne

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Profile

A highly motivated and detail-oriented Data and Business Analyst with expertise in data analysis, machine learning, and process optimization. Skilled in tools like Excel, SQL, Python, Tableau, and Scikit learn to deliver actionable insights and support data-driven decisions. Experienced in leveraging ML models for predictive analytics and automating workflows to enhance operational efficiency. Adept at collaborating with teams to gather requirements, design solutions, and drive strategic business improvements. Passionate about solving complex problems through advanced analytics and innovation.

Education

B.E in Computer Science Engineering(AI&ML), 08/2022 – 06/2025
G.V Acharya Institute of Engineering and Technology under Mumbai University Shelu - Raigad, India

Diploma In Electrical Engineering, 08/2018 – 06/2022
Institute of Technology And Engineering Malegaon (Bk) Malegaon(bk), India

SSC 10th, *SIES APJ MEMORIAL HIGH SCHOOL* 03/2018
Ghatkopar, India

Skills

AI&ML Programming Languages

- Machine Learning • Programming: Python (NumPy, Pandas, Scikit learn, TensorFlow, PyTorch)
- ML Algorithms: Regression, Decision Trees, Random Forests, SVM, K-Means, Gradient Boosting (XGBoost)
- Data Preprocessing: Feature engineering, handling missing data
- Model Deployment: Flask, Streamlit
- Visualization: pandas,Matplotlib, Seaborn, Plotly

Programming Language

- Python
- c language

Data Visualization Tools

• Advanced Excel
• Power BI
• Tableau

Database Management

• Mysql

Certificates

Master in Data Science & Analytics with Artificial Intelligence
• Advanced Excel
• Mysql
• Power BI
• Tablea
• Machine Learning
• Artificial Intelligence

Projects

Bank Loan Report, *based on Advance Excel*
Developed a comprehensive Bank Loan Report Dashboard to analyze key financial metrics, including total loan applications, funded amounts, and loan repayment statuses. The dashboard provided a clear breakdown of good (86.18%) and bad loans (13.82%), along with insights on interest rates and debt-to-income ratios. Interactive filters allowed dynamic analysis based on loan grades and purposes. This project demonstrated skills in data visualization, financial analysis, and the use of tools like Excel/Tableau/Power BI to deliver actionable insights.

Heart Failure clinical Prediction(ML)
Heart Failure clinical Prediction(ML) Objective: Analyzed and predicted patient outcomes using clinical records to assist in early detection and treatment of heart failure. Methodology: Conducted data preprocessing, feature selection, and exploratory data analysis using Python libraries like Pandas, NumPy, Seaborn, and Matplotlib. Built predictive models leveraging classification algorithms. Results: Identified key features such as age, ejection fraction, and serum creatinine that significantly impact patient outcomes. Achieved high accuracy in predictions, enhancing decision-making in healthcare

Vrinda Store Analysis(Power BI)
Vrinda Store Analysis(Power BI) Designed and developed a comprehensive Customer Analysis Dashboard to analyze key demographic and purchasing trends for a customer base of 28.44K. Key findings included the most ordered sizes (XXI), popular categories (Western Dress), and average customer age. The dashboard featured dynamic slicers for detailed filtering by category and date range, visualizing sales metrics by size, shipping state, sales channel, and breakdowns by gender and age. Delivered actionable insights to help stakeholders refine marketing strategies and enhance product offerings based on customer preferences and regional performance