DHARA MATHOLIYA

Data Scientist

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SUMMARY

Certified Data Scientist with a strong foundation in Python, Statistics, and Deep Learning. Currently pursuing an MCA (External) while simultaneously completing a rigorous Data Science internship to apply theoretical concepts in real-world scenarios. Demonstrated practical expertise by delivering 4 end-to-end projects, ranging from Deep Learning (CNN) for image classification to predictive modeling for financial risk analysis.

EDUCATION

Master of Computer Applications (MCA) | Dr. Babasaheb Ambedkar Open University | 2025 – 2027

- Focusing on Advanced Algorithms and Software Engineering (External)

Certified Data Scientist | DataMites Global Institute | 2025 – 2026

- IABAC Accredited. Completed 4 intensive capstone projects including Deep Learning & Predictive Modeling.

Bachelor of Computer Applications (BCA) | Gujarat University | 2022 – 2025

- Core focus on Database Management, Web Technologies, and Programming.

WORK EXPERIENCE

Data Science Intern | Rubixe | 2026 – Present

- Performing data cleaning, EDA, and statistical analysis using Python (Pandas, Scikit-Learn).
- Building and optimizing Machine Learning models to solve real-world business problems.

PROJECTS

Rice Leaf Disease Detection (Deep Learning)
Developed a Convolutional Neural Network (CNN) to classify rice leaf diseases with high accuracy. Implemented data augmentation to handle class imbalance and deployed the model structure on GitHub.

Home Loan Default Prediction (FinTech)
Built a risk assessment model using XGBoost and LightGBM to predict loan defaults. Applied SHAP values to interpret feature importance and provide transparent decision-making insights.

Earthquake Damage Prediction
Engineered features from seismic data to classify damage levels. Performed rigorous data cleaning and utilized Random Forest classifiers to achieve robust F1-scores for multi-class prediction.

House Price Prediction
Designed a regression model to estimate property prices. Conducted multivariate analysis to identify key price drivers and optimized model parameters to minimize Root Mean Squared Error (RMSE).

SKILLS

- Python (Pandas, NumPy)
- Machine Learning
- Data Visualization
- Predictive Modeling
- Statistics
- Exploratory Data Analysis
- Git & GitHub
- SQL / HTML / CSS
- Jupyter & Google Colab
- Problem Solving