

KABILESH J

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Professional Summary

Entry-level Data Scientist with hands-on experience in building and evaluating machine learning models for regression and classification problems. Skilled in Python, SQL, Scikit-learn, and XGBoost with strong foundation in data preprocessing, feature engineering, and cross-validation. Passionate about deriving insights from data and seeking opportunities in Data Science and Data Analytics roles.

Education

Dr. M.G.R Educational and Research Institute

Master of Business Administration (MBA - General)

Chennai, Tamil Nadu

2023 – 2025

Agurchand Manmull Jain College

Bachelor of Commerce (B.Com - Bank Management)

Chennai, Tamil Nadu

2020 – 2023

Experience

TVS Credit Services Limited

Finance Intern

Chennai, Tamil Nadu

Nov 2024 – Dec 2024

- Worked in commission payments department handling dealer commission and collection payments.
- Used Excel to process financial data and maintain reports.
- Improved accuracy and efficiency in payment-related documentation.

Projects

House Price Prediction | Python, Scikit-learn, XGBoost

2025–2026

- Developed and compared multiple regression models (Linear Regression, Decision Tree, Random Forest, XGBoost) to optimize predictive performance.
- Performed data preprocessing, feature engineering, and 5-fold cross-validation.
- Achieved R² score of 0.98 with reduced RMSE and MAE after hyperparameter tuning.
- Live App:** View App — **GitHub:** Repository

Earthquake Damage Prediction | Python, Machine Learning

2025-2026

- Developed a machine learning model to classify building damage severity after earthquakes.
- Applied feature selection, hyperparameter tuning, and cross-validation.

Home Loan Default Prediction | Python, Machine Learning

2025-2026

- Developed classification models to predict loan default risk.
- Handled missing values, encoding, scaling, and model evaluation using ROC-AUC.

Heart Disease Prediction | Python, Scikit-learn

2025-2026

- Built classification model to predict heart disease based on medical features.
- Evaluated model performance using Accuracy, Precision, Recall, and F1-score.

Technical Skills

Languages: Python, SQL

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, XGBoost

Machine Learning: Regression, Classification, Cross-Validation, Feature Engineering, Model Evaluation, Hyperparameter Tuning

Tools: Jupyter Notebook, VS Code, Git, GitHub

Concepts: EDA, Cross-Validation, ROC-AUC, Precision, Recall, F1-Score