

# KABILESH J

Chennai, Tamil Nadu

9566005319

kabileshsurender@gmail.com

linkedin.com/in/kabilesh-j

github.com/kabilesh-coder

## 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. portfolio.com 

## 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

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 R<sup>2</sup> score of 0.98 with reduced RMSE and MAE after hyperparameter tuning.
- Live Demo:** View App — [GitHub](#): Repository

### Earthquake Damage Prediction | Python, Machine Learning

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

2026

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

### Telecom Customer Churn Prediction | Python, Scikit-learn, XGBoost

2026

- Built classification models to predict customer churn using Logistic Regression, Random Forest, and tuned XGBoost.
- Handled data preprocessing, feature engineering, SMOTE for class imbalance, and cross-validation.

### Heart Disease Prediction | Python, Scikit-learn

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