

Ronak Chaturvedi

AI/ML Engineer- [My Portfolio](#)

I have hands-on project experience in **Machine Learning Engineering**, building and deploying Scikit-learn models with a current focus on evaluation, monitoring, and exploring new AI/ML techniques. Additionally, I have project experience in **web development** using [React](#), [Node.js](#), and [Flask](#).

PROJECTS

TITANIC SURVIVAL

- Built a machine learning model to predict survival probability based on passenger features.
- Implemented data preprocessing pipelines and achieved **80% accuracy** and **75%+ precision/recall/F1 score**.
- **Tech Used:** Python, Scikit-learn, NumPy, Pandas, Flask
- [Titanic Survival Live Demo](#)

HOUSE PRICING

- Developed a regression model to estimate house prices using key property features.
- Performed EDA, feature engineering, and model selection using cross-validation to find the best-performing model.
- **Tech Used:** Python, Scikit-learn, NumPy, Pandas, Flask
- [House Price Live Deploy](#)

LOAN

- Created a classification model to predict loan approval likelihood.
- Addressed class imbalance using **SMOTE**, boosting **F1-score from 0.62 → 0.81** and implemented online learning for better performance on streaming data.
- **Tech Used:** Python, Scikit-learn, NumPy, Pandas, Flask
- [Loan Live Demo](#)

Programming Languages & FRAMEWORK

Programming: Python, JavaScript, SQL

ML/DS Libraries: scikit-learn, pandas, NumPy

Web: NodeJS, React

Databases: MySQL, PostgreSQL

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ADDITIONAL PROJECTS

SOFTWARE DEVELOPMENT

Carrier AI

In this project I integrate an AI API to my webpage to recommend best suited job for user

Duolingo-Clone

With a follow-throught youtube video create clone DUOLINGO app

Krishi AI

Create an AI base app for farmer with offline soil report and analysis

SKILLS

Model Evaluation & Validation

Data Preprocessing & Cleaning

Machine Learning & Modeling

Project Planning & Management

UI/UX

GIT