

# ML-Builder

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Welcome to ML-Builder, a user-friendly system that allows you to generate your own machine learning model without writing a single line of code. This project utilizes Flask for the backend, HTML, CSS, and Bootstrap 5 for the frontend. Here's a quick overview of the process:

## Project Overview

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### 1. Upload CSV File:

2. Navigate to the home page and upload your CSV file.

The system will display all columns of your dataset.

### Choose Target Column:

Select the target column for which you want to predict.

### Build Instant Model:

Click on "Build Instant Model" to generate a default machine learning model using the DecisionTree algorithm.

### Customize Model:

9. If you want to build a customized model, go to the Customize section.
10. Choose the algorithm you want to train.

Customize data processing techniques (minmax scaler, standard scaler, one hot encoding, label encoding, etc.).

### Get Results:

13. The web page will return the trained model and processed datasets.

## Getting Started

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1. Clone the repository:

```
bash git clone https://github.com/vijaytakbhat2002/ML-Builder.git
```

1. Install dependencies:

```
bash pip install -r requirements.txt
```

1. Run the application:

```
bash python app.py
```

1. Access the application in your browser at <http://localhost:5000>.

## Contributing

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We welcome contributions! Please read our [Contributing Guidelines](#) to get started.

## License

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This project is licensed under the [MIT License](#).