## ZeroCodeML

12 July 2025 11:28



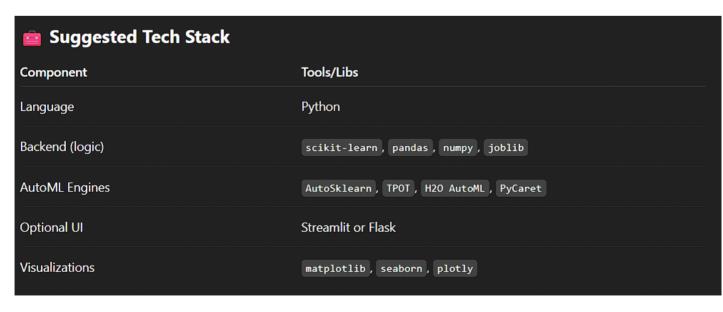
## Core Project Objective

Build a system that accepts a dataset and task (like classification, regression, or clustering), then automatically processes, trains, evaluates, and returns results with minimal or no user intervention.

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```
❖ Workflow (Simplified Flowchart)
 csharp
 [User Uploads Dataset + Task]
     [Preprocessing Engine]
      [Auto Task Verifier]
  [Model Selector + Trainer]
      [Evaluation + Output]
    [Download Model / Report]
```

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## 🥊 Example Usage Scenarios

- A teacher can test models on student datasets for projects.
- A data analyst can test multiple models without writing code.
- Integrate into low-code platforms for startups or dashboards.

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```
Folder Structure (Simple Version)
bash
auto ml pipeline/
                           # Main script or Streamlit app
  - app.py
                           # Data cleaning functions
  - preprocess.py
  - model_selector.py
                           # Logic for choosing/training models
  - evaluator.py
                           # Metrics and reporting
  - utils.py
                            # Helper functions
                            # Uploaded datasets
  - uploads/
  - models/
                            # Saved models
  - reports/
                            # Output reports
```

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