

Spam Detector Website - Project Presentation

Team Members

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Problem Statement

Spam messages are a major nuisance and security threat. Users often receive unwanted or malicious messages via email or SMS. This project aims to create a basic website that can detect and flag such spam content using machine learning.

Objectives

- Build a user-friendly website interface
- Use machine learning to classify text as spam or not spam
- Allow users to input a message and get instant feedback

Methodology / Architecture / Tools Used

- Python (Flask framework)
- Scikit-learn (Naive Bayes classifier)
- CountVectorizer for feature extraction
- HTML/CSS for frontend
- Model stored using pickle

Key Features of the Project

- Simple and clean UI
- Real-time message classification
- Lightweight model

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- Easy deployment

Screenshots

You can find screenshots in the GitHub repository under the templates and static folders.

Conclusion & Future Work

This is a basic spam detection tool that demonstrates machine learning in a web application. In the future, it can be enhanced with deep learning models and extended to support real-time chat filtering or email integrations.