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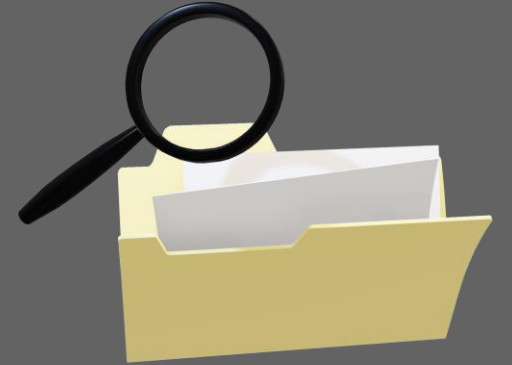
BUILDING A SMARTER AI POWERED SPAM CLASSIFIER

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INTRODUCTION

➢ Building a smarter AI-powered spam classifier involves leveraging machine learning techniques and natural language processing (NLP) to improve the accuracy and efficiency of spam detection

➢ For the majority of internet users, email has become the most often utilized formal communication channel. In recent years, there has been a surge in email usage, which has exacerbated the problems presented by spam emails. Spam, often known as junk email, is the act of sending unsolicited mass messages to a large number of people. 'Ham' refers to emails that are meaningful but of a different type. Every day, the average email user receives roughly 40-50 emails. Spammers earn roughly 3.5 million dollars per year from spam, resulting in financial damages on both a personal and institutional level. As a result, consumers devote a large amount of their working time to these emails. Spam is said to account for more than half of all email server traffic, sending out a vast volume of undesired and uninvited bulk emails.

➢ They squander user resources on useless output, lowering productivity. Spammers use spam for marketing goals to spread malicious criminal acts such as identity theft, financial disruptions, stealing sensitive information, and reputational damage.

STEPS FOR IMPLEMENTATION

- Data Collection and Preparation
- Feature Extraction
- Model Selection
- Model Training
- Feature Engineering and Selection
- Ensemble Methods
- Handling Imbalanced Data
- Regularization and Fine-Tuning
- Evaluation Metrics

- Continuous Learning
- User Feedback Loop
- Deployment
- Monitoring and Maintenance
- Legal and Ethical Considerations
- User Education

WHY THE SMARTER AI POWERED SPAM CLASSIFIER IS REQUIRED???

❖ Fast and better compatible in classification.

❖ Low computational complexity.

❖ Better efficiency

❖ less sensitive to noise

❖ High accuracy

To Enhance The Spam Classification Using AI

➢According To Our Project We will Implenting a Application of Artificial Intelligence Named "Open AI" As a open source to overcome the defects of Email Handling by Encouraging the Creation Of Smarter AI Spam Classifier