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(57) Abstract :

The present invention discloses a system (100) and method (200) for email filtering and sender reputation analysis to efficiently manage incoming emails and identify spam messages. The system (100) includes a processor (102) to receive emails, evaluate sender reputation based on behavior and history stored in a database, classify emails as spam or legitimate using a trained classifier model, and subsequently deliver them to inbox or spam folder of a recipient accordingly. Additionally, the reputation evaluation of the sender involves analyzing factors such as email sending frequency, content consistency, and engagement metrics with the recipient, while the classification process utilizes natural language processing (NLP) algorithms and pattern recognition techniques to examine email metadata, including headers, subject lines, timestamps, and sender information.

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