G V MADESHWARAN

Final Project

ANALYSIS OF HANDWRITTEN IMAGES USING DEEP LEARNING

AGENDA

1. Introduction to the importance of handwritten image analysis.
2. Problem statement: challenges in accurately interpreting handwritten text.
3. Project overview: utilizing machine learning for handwritten image analysis.

PROBLEM STATEMENT

1. Difficulty in accurately recognizing handwritten text due to variations in writing styles.
2. Challenges in processing and extracting meaningful information from handwritten documents.
3. Limited scalability and efficiency of manual handwritten text analysis.

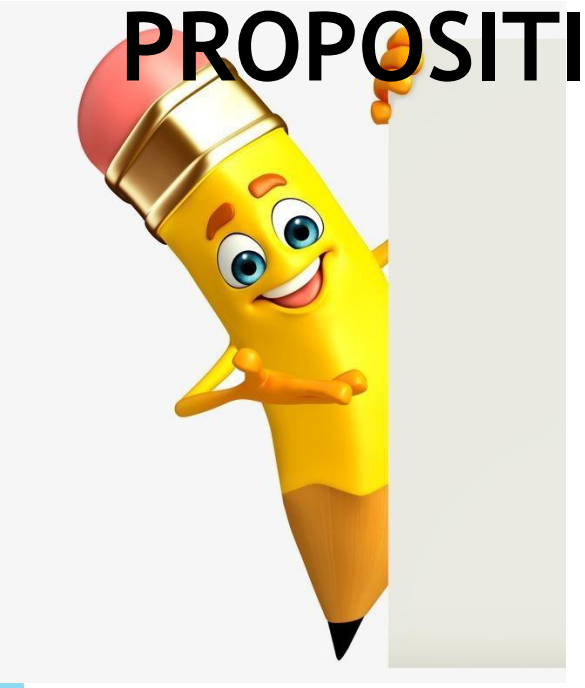
PROJECT OVERVIEW

1. Implementing machine learning algorithms for automated handwritten image analysis.
2. Developing techniques for text recognition, handwriting classification, and document segmentation.
3. Creating a scalable and efficient solution for analyzing large volumes of handwritten images.

WHO ARE THE END USERS?

1. Researchers and academics studying historical documents and archives.
2. Organizations digitizing paper-based records and documents.
3. Forensic experts analyzing handwritten notes and signatures.

YOUR SOLUTION AND ITS VALUE PROPOSITION



1. Automated handwritten image analysis for efficient text recognition and document processing.
2. Improved accuracy and reliability compared to manual handwritten text analysis.
3. Enhanced scalability and productivity through automation of time-consuming tasks.

THE WOW IN YOUR SOLUTION

1. Advanced machine learning algorithms capable of accurately recognizing and interpreting handwritten text.
2. Integration of deep learning techniques for handling complex writing styles and languages.
3. Real-time analysis and extraction of handwritten text from images, reducing processing time and improving efficiency.

MODELLING

1. Wireframe of the user interface showing options for uploading handwritten images and selecting analysis parameters.
2. Wireframe of the document preview window displaying extracted text and handwriting classification results.
3. Wireframe of the analytics dashboard providing insights into text recognition accuracy and processing speed.

RESULTS

1. Deployment of a scalable and efficient handwritten image analysis tool.
2. Significant improvement in the accuracy and speed of text recognition compared to manual methods.
3. Positive feedback from users regarding the reliability and productivity gains achieved through automated handwritten image analysis.