FACE-ATM

Cardless Transaction System

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Abstract

Face-ATM revolutionizes ATM transactions by employing facial recognition technology, eliminating the need for cards and PINs. Powered by Django, OpenCV, and MySQL, it offers unparalleled convenience and security. This initiative heralds a new era in banking, redefining standards with its innovative approach.

Problem Statement

Current ATM transactions with physical cards and PINs are prone to security risks and inconvenience. Face-ATM aims to overcome these challenges by introducing facial recognition technology. However, ensuring accurate recognition and safeguarding user data present key hurdles for implementation.

Proposed Solution

Face-ATM introduces facial recognition to ATM transactions, replacing cards and PINs for enhanced security and convenience. Utilizing Django, OpenCV, and MySQL, it ensures reliable image recognition and secure data storage. This innovative approach revolutionizes the ATM experience, simplifying transactions while bolstering security measures.

Methodologies

Our method involves research, iterative design, and validation. We'll evaluate facial recognition tech, design with Django and OpenCV, and prioritize user interaction. Validation includes performance tests and user feedback. Accessibility is a priority for an intuitive and secure Face-ATM experience.

Future Work

Looking ahead, we aim to improve the Face-ATM system in a few ways. First, we want to add the option for users to deposit cash, making the ATM even more useful. We also plan to make the ATM interface available in multiple languages, so more people can use it easily. Lastly, we're exploring adding extra security measures, like fingerprint scanning, to keep user information safe. These improvements will make the Face-ATM even better for everyone.