Review-2 on
Web-Based Facial Authentication System

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Overview

- Introduction
- Objectives of the Project
- Proposed Methodology/Architecture/Algorithm/Technique/etc
- Implementation Details
- Results (If any one objective is completed)
- References

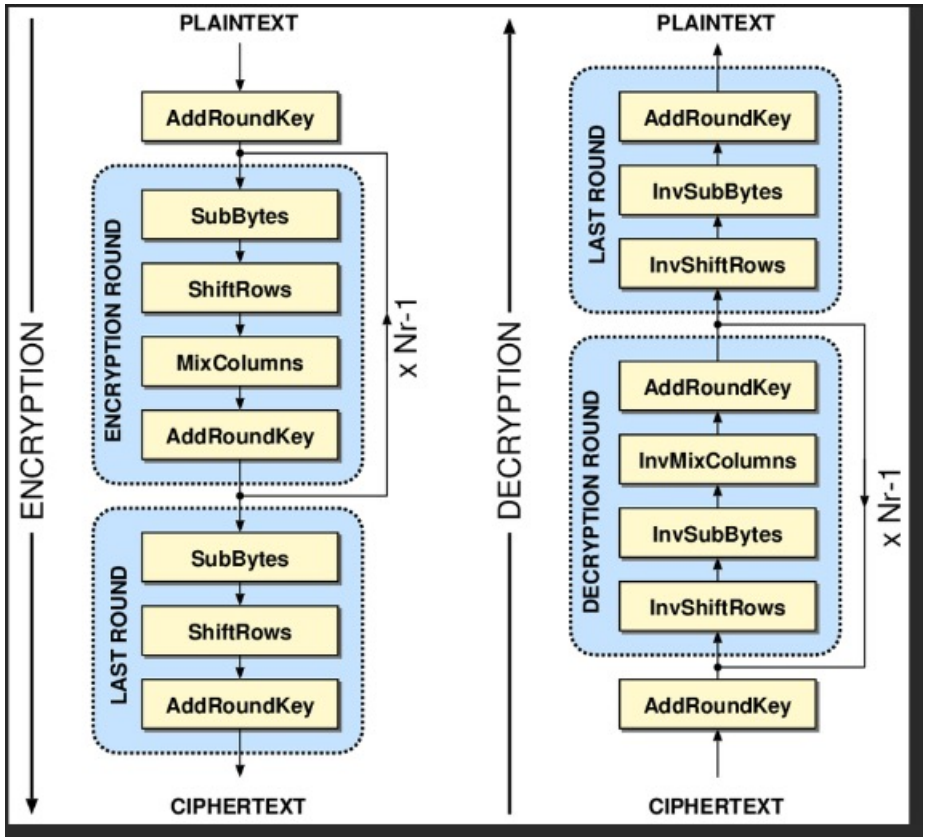
Introduction

- Provide an overview of the current state of online security and authentication challenges.
- Mention the rise in cyber threats and the need for more secure authentication methods.
- Introduce the concept of facial recognition technology as a solution.
- A face recognition system is a technology that can identify and verify people from digital images and footage which is stored in their DB.
- We decided to use the same face recognition approaches for web authentication for improving the security in websites and bringing a new approach in web authentication.

Objectives of the Project

- Improve the security of the application by implementing facial authentication as a robust and reliable user verification method.
- Provide a user-friendly login experience by enabling users to access the application quickly and effortlessly through facial recognition.
- Enable users to securely and conveniently access online services using their facial features as authentication.
- Achieve a high level of accuracy in facial recognition to reduce false positives and negatives.
- Create a user-friendly interface for capturing facial images, making it easy for users to register and authenticate themselves.
- Develop an efficient and fast authentication process to provide a seamless user experience.

Proposed Methodology/Architecture/Algorithm/Technique/etc



The Advanced Encryption Standard (AES) is a symmetric-key encryption algorithm established as a standard for secure data protection.

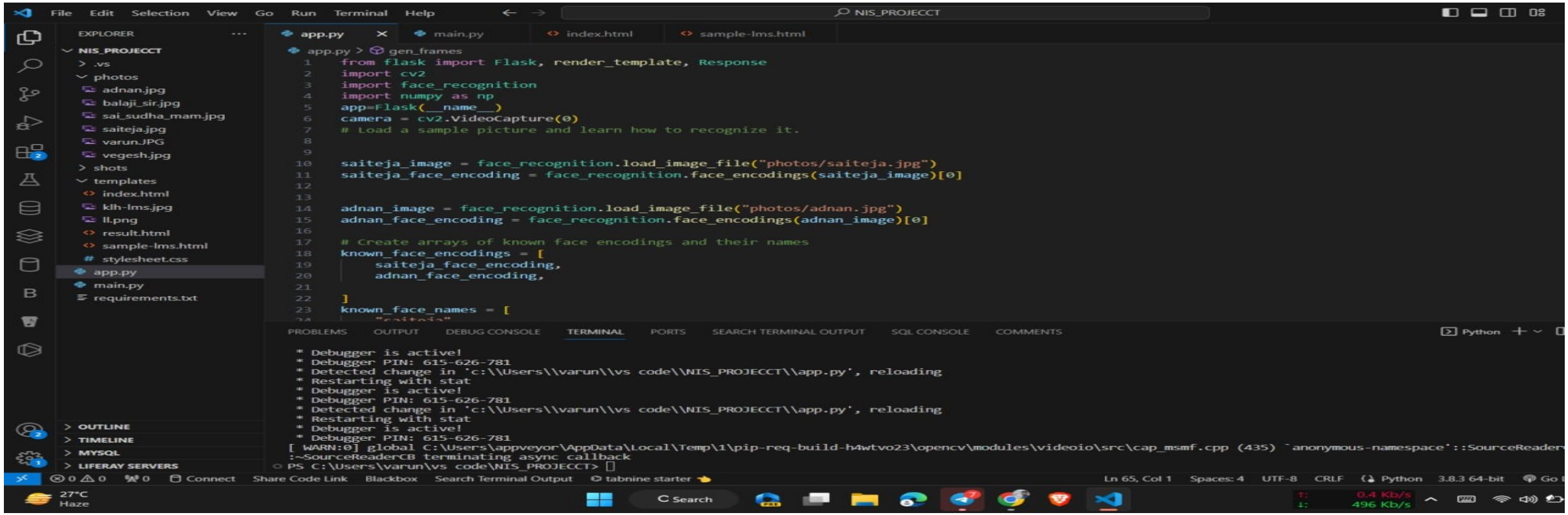
AES operates on fixed-size data blocks, typically 128 bits or 16 bytes, and uses a series of substitution and permutation operations for encryption and decryption.

It supports key lengths of 128, 192, and 256 bits, with longer keys providing higher levels of security.

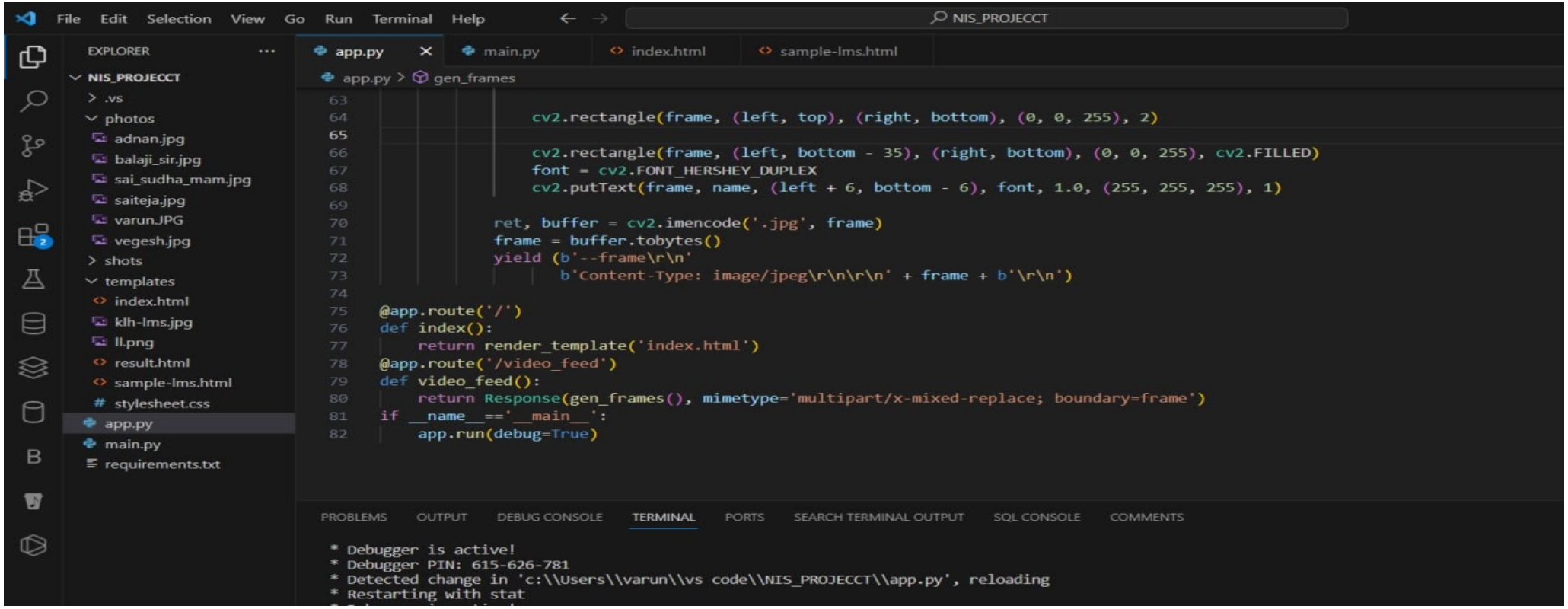
AES is known for its speed and efficiency, making it a popular choice for various applications, including secure communication and data storage.

It has a proven track record of robust security and has become a fundamental encryption method used in many modern cryptographic protocols and systems.

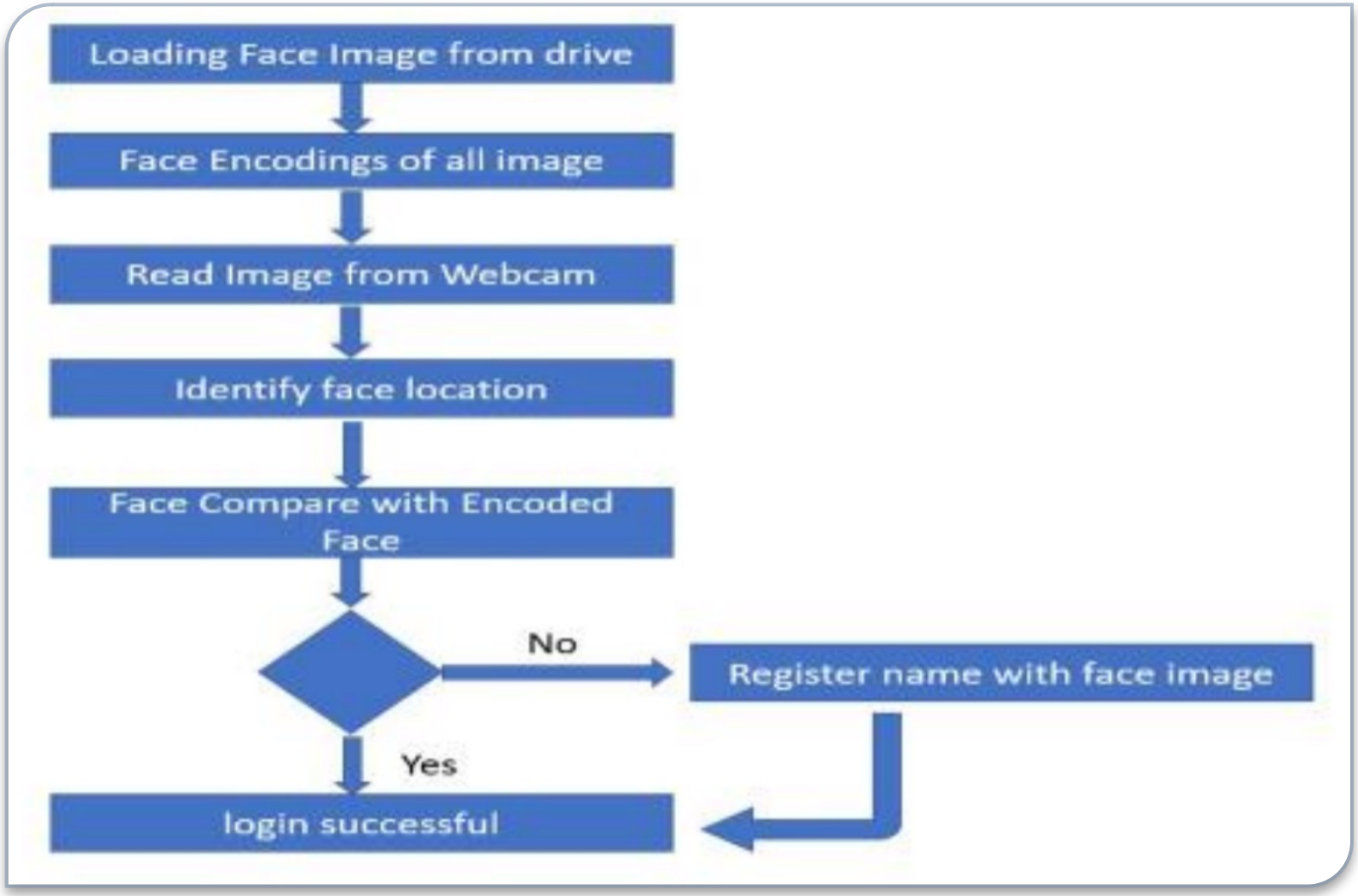
Proposed Methodology/Architecture/Algorithm/Technique/etc



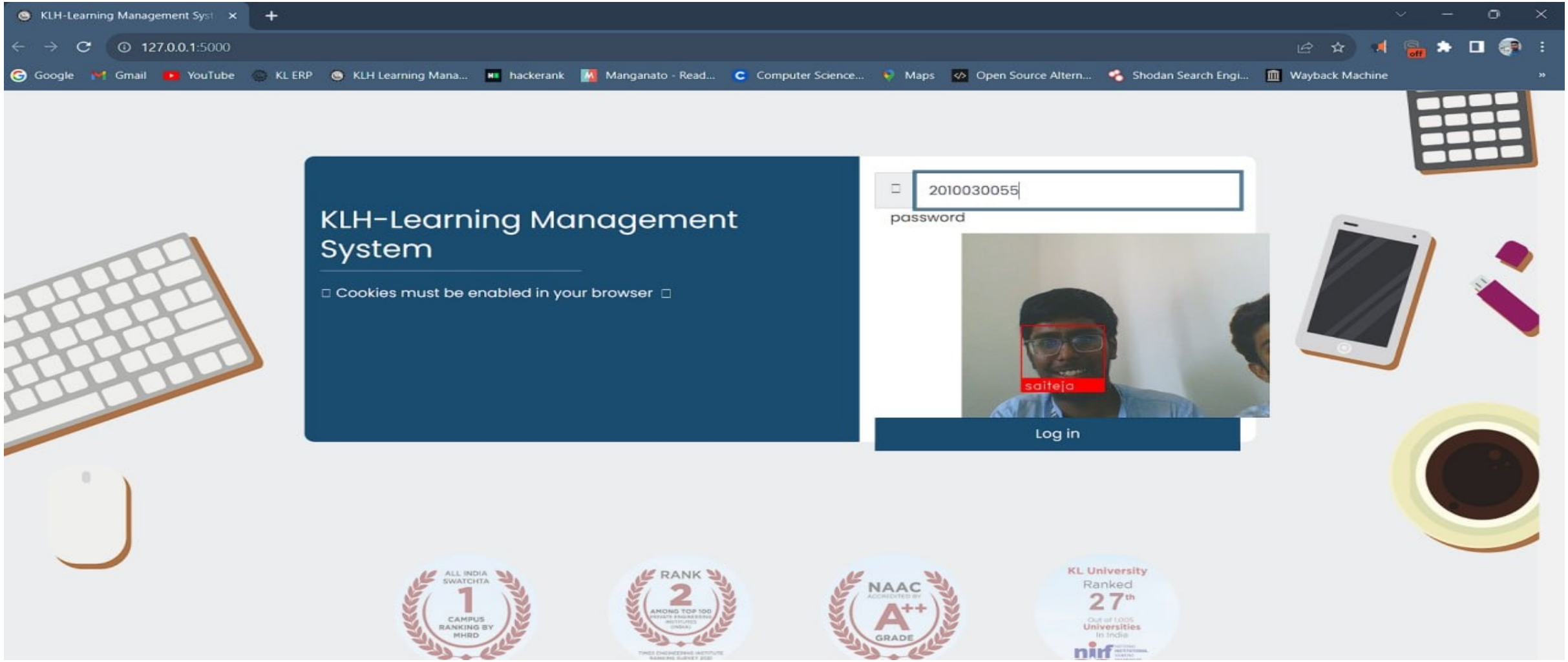
Proposed Methodology/Architecture/Algorithm/Technique/etc



Implementation Details



Results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RANK 2 AMONG TOP 100
NAAC A++ GRADE
KL University Ranked 27th Universities in India
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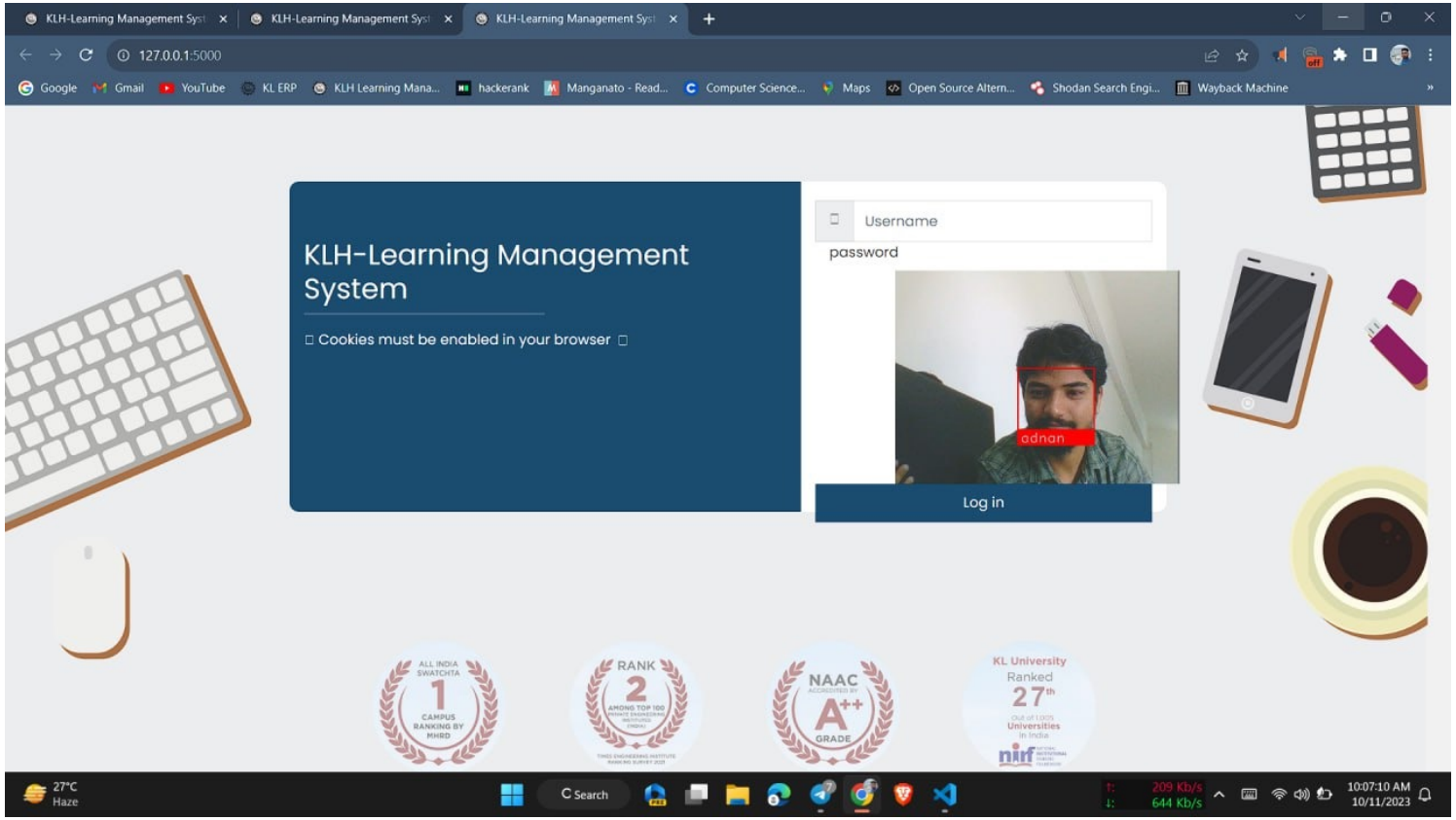
Results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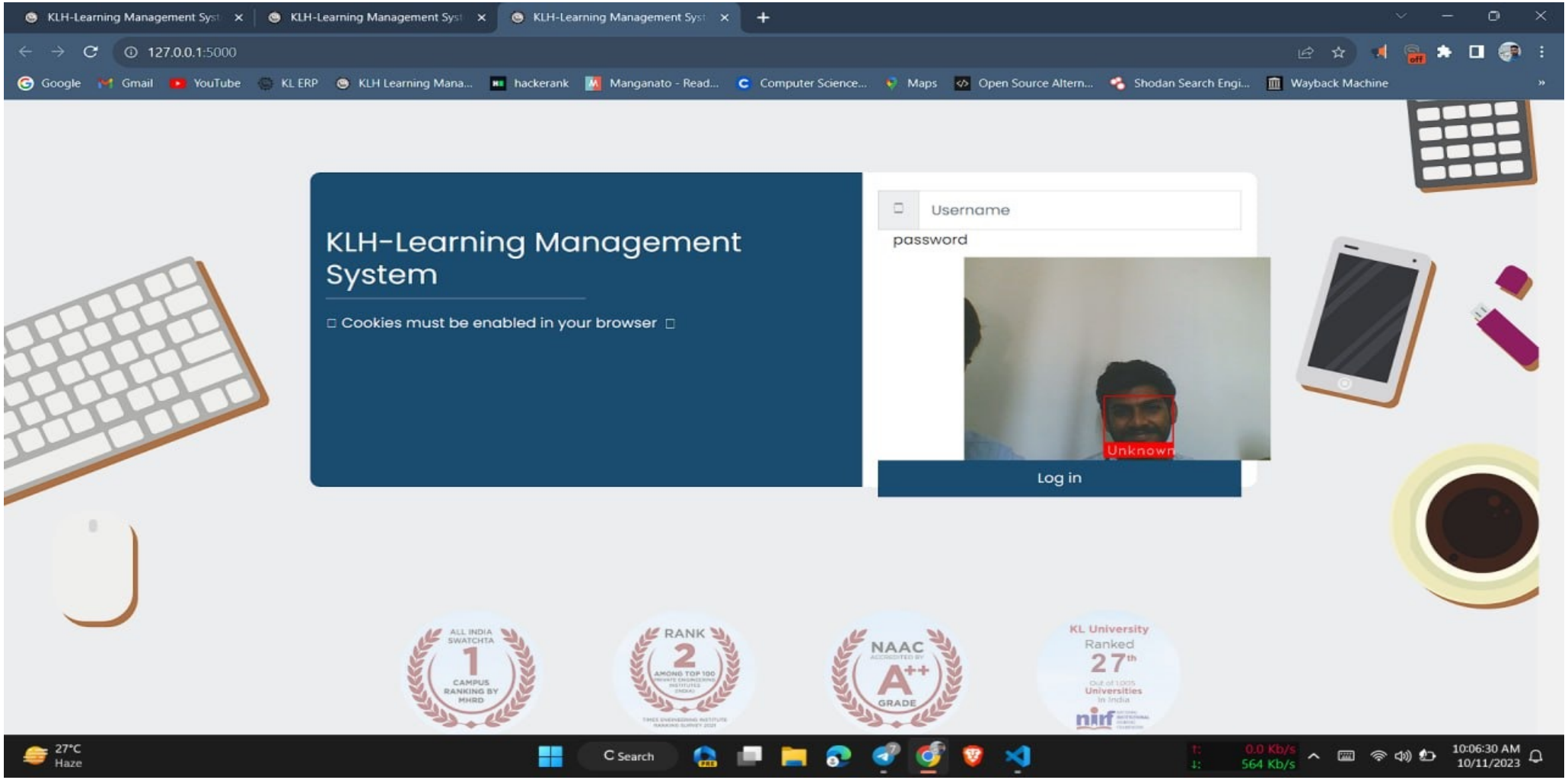
KL University Ranked 27th

Results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ALL INDIA SWATCHTA 1 CAMPUS RANKING BY MHRD
RANK 2 AMONG TOP 100
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KL University Ranked 27th Universities in India
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References

- https://www.geeksforgeeks.org/advanced-encryption-standard-aes/
- https://hackernoon.com/how-to-authenticate-a-user-via-face-recognition-in-your-web-application
- (PDF) Face Recognition: A Literature Review (researchgate.net)

Thank you and Any Queries