AI/ML Intern

Assignment: Face Authentication Attendance System

Build a working face authentication system for attendance.

Task

The system must:

- Register a user's face
- Identify the face
- Mark:
    - Punch-in
    - Punch-out

It should:

- Work with real camera input
- Handle varying lighting conditions
- Include a basic attempt at spoof prevention

Deliverables

- Working demo (local or hosted)
- Complete codebase
- Documentation explaining:
    - Model and approach used
    - Training process
    - Accuracy expectations
    - Known failure cases

Evaluation Criteria

- Functional accuracy
- System reliability
- Understanding of ML limitations
- Practical implementation quality