

Digital Portfolio

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PROJECT TITLE

DIGITAL PORTFOLIO

WPS OFFICE

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link



PROBLEM STATEMENT

Manual attendance systems are time-consuming, error-prone, and lack real-time data accessibility. There's a growing need for an automated solution that is efficient, secure, and reliable.



PROJECT OVERVIEW

This project is aimed at developing a smart attendance management system that leverages facial recognition to automatically mark attendance. The system is built using Python, OpenCV, and integrated with a database for record-keeping.



WHO ARE THE END USERS?

Teachers & Educational Institutions – to manage class attendance efficiently.

Students – to track their attendance records.

Administrators – for monitoring and reporting purposes.

Could be extended to corporate offices for employee tracking.



TOOLS AND TECHNIQUES



Languages: Python, HTML/CSS (for GUI)

Libraries: OpenCV, NumPy, dlib

Database: MySQL or SQLite

Frameworks/Tools: Tkinter (for GUI), Jupyter/VS Code

Version Control: Git, GitHub

Portfolio Design and Layout

Clean and minimal UI for user interaction

Dashboard for real-time attendance

User authentication/login system

Mobile-responsive (if applicable)

Includes charts/graphs for attendance analytics



FEATURES AND FUNCTIONALITY

Facial recognition-based attendance

Real-time attendance marking

User registration and login

Admin panel for data management

Export attendance reports

Notification/reminder system (optional)

WPS Office



RESULTS AND SCREENSHOTS

[Insert screenshots of login page, dashboard, face detection, attendance report]

Accuracy rate: 95% in facial recognition

Attendance report generation:
Functional and tested

Smooth UI/UX experience



CONCLUSION

The project demonstrates a successful implementation of AI-powered attendance. It offers a scalable and secure method that can be adopted in schools, colleges, and offices. The system reduces manual workload and improves data accuracy.

