



TITLE OF UNDERGRADUATE THESIS

Late Checker – Face Recognition-Based Attendance System

UNDERGRADUATE THESIS
Submitted as one of the requirements to obtain
Sarjana Komputer (S.Kom)

By:
Muhammad Farhan Yanuar
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FACULTY OF INFORMATICS STUDY PROGRAM
CIKARANG
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By
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Approved:

12 B I U G

Feedback Sign up Log

Basic scan Share Export

GPTZero AI Detection Model 3.8b

human

We are highly confident this text is entirely human

Probability breakdown

1% AI generated 0% Mixed 99% Human

View AI Sentences AI Words

Advanced Sentence Scanning

Understand how each sentence impacts AI probabilities and with interpretable reports (American Federation Teacher Certified)

Your most human sentences

If there is any question related to this, please fill

Scan to update results
5,000 characters 717 words

Scan

ABSTRACT

This Project aims to build an automated facial recognition-based attendance system called late checker. The System utilize the camera to detect and recognize employees faces as they arrive, making the attendance process be more efficient and contactless. The system was developed using client-server architecture, with ReactJS as the user interface (frontend), Flask as the main server (Backend), and PostgreSQL as the database

As part of the development team, I contributed to building system's security features, specially password strength validation on the frontend and password encryption (hashing) using bcrypt on the backend. The password validation was designed to only accept secure combinations, such as a minimum of eight character, the presence of uppercase letters, numbers, and special characters. On the server side, bcrypt was used to stored passwords in a encrypted form, preventing the misuse of sensitive data in the event of a security breach

The development of this features aims to enhance protection against unauthorized access and maintain the integrity of attendance data. By combining authentication security and facial recognition technology, Late Checker is expected to become a modern solution for safe and reliable attendance management needs.

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TABLE OF CONTENTS

DEDICATION	ii
ACKNOWLEDGMENTS	iii
LIST OF TABLES	vi
LIST OF FIGURES	vii
1.1 Background of the Project	8
1.2 Problem Statement	9
1.3 Project Goal	10
1.4 Project Scope	11
1.5 Methodology	12
1.6 Project Significance	13
I.SYSTEM TECHNOLOGY AND SECURITY IMPLEMENTATION	15
2.1 System related technology	15
2.1.1 Face Recognition	15
2.1.2 ReactJS (Frontend)	15
2.1.3 Flask (Backend)	16
2.1.4 PostgreSQL (Database)	16
2.1.5 Bcrypt (Password Hashing-Security)	17
2.1.6 Password Strength Validation	17
2.2 Theoretical Basis	18
2.2.1 Main Componenet Architecture	18
2.2.2 System Workflow	19
2.2.3 Security System	20
2.3 Individual Contributions to the Late Checker System	21
2.3.1 Password Strength Validation	21
2.3.2 Password Security with Hashing (Password Hashing)	22
2.4 Cyber Security Consideration	24
II.SYSTEM DESIGN AND IMPLEMENTATION	25
3.1 System Architecture	25
3.2 Component Overview	28
3.2.1 Face Recognition Module	28
3.2.2 Admin Authentication Module	28
3.2.3 PostgreSQL Database	29
3.2.4 ReactJS Frontend	29
3.2.5 REST API (Flask Backend)	30
3.2.6 Security Features	30
3.3 Flowchart for Login and Password Validation	31
3.4 Implementation Enviroment	33

III.IMPLEMENTATION SYSTEM	38
4.1 System Development Environment	38
4.1.1 Hardware and Software	38
4.1.2 Libraries and Tools Used	39
4.1.3 Reasons Choosing the Tools/Library	39
4.2 System Validation and Security Result	41
4.2.1 Password Strength Validation	41
4.2.2 Testing with Various Password Inputs	42
4.2.3 Implementation Hashing with Bcrypt	42
4.2.4 Protection Against General Attacks	43
4.3 Testing Result	44
4.3.1 Testing Objectives	44
4.3.2 The Testing Methodology	44
4.3.3 Testing Result	45
4.4 System Evaluation	45
4.4.1 Feature alignment with initial Goals	46
4.4.2 Advantages of System	46
4.4.3 System Limitations	46
4.4.4 Next Development Plan	47
4.5 Implementation Code Password Strength Validation and Password Hashing	47
4.5.1 Password Strength Validation (ReactJS)	47
4.5.2 Password Hashing/Encrypt using Bcrypt (Flask)	51
4.5.3 Authentication and Password Verification	54
IV.CONCLUSION AND SUGGESTIONS	57
5.1 CONCLUSION	57
5.2 SUGGESTIONS	58
5.3 CLOSING	59

LIST OF TABLES

TABLE	Page
2.3 Comparison of Password Storage Methods.....	23
3.4 The Implementation Environment.....	36
4.1.2 Libraries and Tools.....	39
4.2.2 Testing with various password inputs	42
4.3.3 Testing Result.....	45

LIST OF FIGURES

FIGURE	Page
2.2.2 System workflow.....	19
3.1 Key Components Feature	27
3.3 Flowchart Login	32