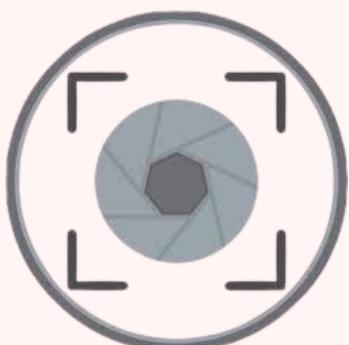
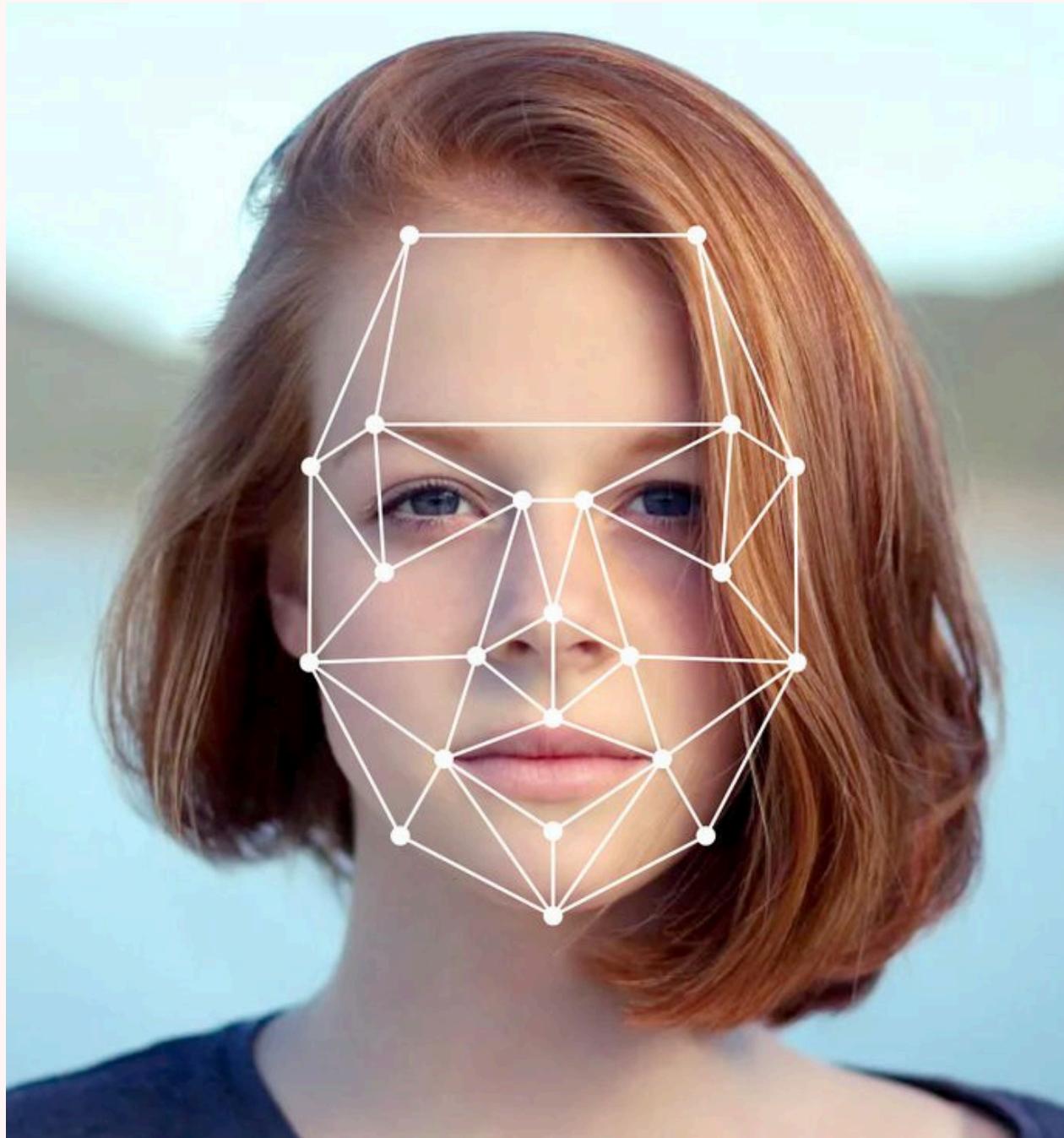


# FACE RECOGNITION

# FAST, RELIABLE FACE DETECTION AND RECOGNITION.



# FEATURES

- REAL TIME FACE DETECTION AND RECOGNITION
  - TWO-SECOND VERIFICATION DELAY
  - NAME DISPLAY ON DETECTED FACES
  - HIGH-ACCURACY MATCHING
  - LOGS RECOGNIZED INDIVIDUALS
  - WORKS WITH WEBCAM AND IP CAMERA
  - OPTIONAL ALERT FOR UNKNOWN FACES

# INTRODUCTION

THIS PROJECT IS BUILT IN PYTHON AND DESIGNED TO HANDLE REAL TIME FACE DETECTION AND RECOGNITION WITH EFFICIENT FRAME PROCESSING. IT USES FACE ENCODINGS TO MATCH IDENTITIES ACCURATELY, MANAGES DATA THROUGH ORGANIZED FILE HANDLING, AND AUTOMATICALLY STORES LOGS, RECOGNIZED FACES, AND SYSTEM OUTPUTS. THE SYSTEM RUNS SMOOTHLY ON BOTH WEBCAM AND IP CAMERA STREAMS, MAKING IT PRACTICAL FOR SECURITY, AUTOMATION, AND RESEARCH WORKFLOWS.

```
src > components > header > header.jsx > [e] Header
1 import search from '../assets/images/search.svg'
2 import back from '../assets/images/back.svg'
3 import reset from '../assets/images/reset.svg'
4 import { useContext, useEffect, useState } from 'react'
5 import i18next from 'i18next'
6
7 import { TodoContext } from '../context/context'
8 const Header = () => {
9
10   const [setSearchingHandler, setSearching] = useState(false)
11
12   const [showSearch, setShowSearch] = useState(false)
13   const [text, setText] = useState('')
14
15   const handleSearch = (e) => {
16     e.preventDefault()
17
18     if (text === '') return
19
20     setSearching(true)
21
22     setTimeout(() => {
23       setSearching(false)
24
25       if (text === '') return
26
27       i18next
28         .t('search')
29         .then((result) => {
30           const resultText = result[0].text
31
32           if (resultText === '') return
33
34           setShowSearch(true)
35
36           const searchResult = resultText
37             .split(',')
38             .map((item) => item.trim())
39             .filter((item) => item !== '')
40             .join(' ')
41
42           setText(searchResult)
43
44           if (text === '') return
45
46           setShowSearch(true)
47
48           const filteredTodos = todos.filter((todo) => {
49             return todo.title.toLowerCase().includes(text.toLowerCase())
50           })
51
52           setTodos(filteredTodos)
53
54           if (filteredTodos.length === 0) {
55             setShowSearch(false)
56             return
57           }
58
59           setShowSearch(true)
60         })
61       .catch((error) => {
62         console.error(error)
63       })
64     }, 500)
65   }
66
67   const handleReset = () => {
68     setText('')
69     setTodos(todos)
70     setShowSearch(false)
71   }
72
73   const handleBack = () => {
74     history.goBack()
75   }
76
77   const handleSearchIconClick = () => {
78     setShowSearch(true)
79   }
80
81   const handleResetIconClick = () => {
82     handleReset()
83   }
84
85   const handleBackIconClick = () => {
86     handleBack()
87   }
88
89   const handleTextChange = (e) => {
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91   }
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94     setShowSearch(e.target.checked)
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1422    const
```

# AI DRIVEN BUSINESS PROTECTION

IN TODAY'S FAST-MOVING ENVIRONMENT, BUSINESSES RELY ON SMART SYSTEMS THAT IMPROVE SECURITY AND STREAMLINE OPERATIONS. A FACE RECOGNITION SOLUTION OFFERS A RELIABLE WAY TO MANAGE ACCESS, MONITOR ACTIVITY, AND AUTOMATE VERIFICATION WITHOUT MANUAL EFFORT. IT HELPS ORGANIZATIONS REDUCE RISK, STRENGTHEN IDENTITY MANAGEMENT, AND CREATE A SMOOTHER EXPERIENCE FOR CUSTOMERS AND EMPLOYEES. WITH ACCURATE DETECTION, ORGANIZED DATA HANDLING, AND REAL-TIME PERFORMANCE, THIS TECHNOLOGY SUPPORTS MODERN WORKPLACES THAT NEED BOTH EFFICIENCY AND SAFETY.