NoveWorld

"INTELLIGENT SURVEILLANCE: EMPOWERING SAFETY AND SECURITY WITH REAL-TIME THREAT DETECTION AND SMART ALERTS"

PRESENTED TO
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Python Project for Safety &Crime Rates

AIM

THE AIM OF THIS PROJECT IS TO CREATE A SURVEILLANCE SYSTEM THAT STANDS OUT BY:

- PROVIDING REAL-TIME FACE DETECTION USING OPENCV FOR IMMEDIATE THREAT IDENTIFICATION.
- AUTOMATICALLY CAPTURING AND SAVING IMAGES OF DETECTED FACES WITH TIMESTAMPS FOR EVIDENCE.
- COMPILING THESE IMAGES INTO A VIDEO FORMAT, SIMPLIFYING INCIDENT REVIEW.
- OFFERING USER-FRIENDLY CUSTOMIZATION OPTIONS FOR VIDEO COMPILATION PARAMETERS.

THE CHALLENGE: CRIME PREVENTION

SOLUTION: A USER-FRIENDLY SURVEILLANCE SYSTEM

OUR SOLUTION:

A USER-FRIENDLY SURVEILLANCE SYSTEM OUR TEAM HAS DEVELOPED A USER-FRIENDLY SURVEILLANCE SYSTEM THAT UTILIZES COMPUTER VISION TECHNOLOGIES TO DETECT AND PREVENT CRIME. THIS SYSTEM IS DESIGNED TO BE EASY TO USE AND ACCESSIBLE TO LAW ENFORCEMENT AGENCIES OF ALL SIZES.

IMAGE CAPTURE AND VIDEO COMPILATION

OUR SYSTEM ALSO INCLUDES IMAGE CAPTURE AND VIDEO COMPILATION FEATURES, ALLOWING LAW ENFORCEMENT AGENCIES TO EASILY GATHER EVIDENCE AND BUILD CASES AGAINST SUSPECTED CRIMINALS.

THE TECH STACK:

OPENCV AND HAAR CASCADE CLASSIFIER OUR SYSTEM IS BUILT ON TOP OF OPENCV, AN OPEN-SOURCE COMPUTER VISION LIBRARY. WE UTILIZE THE HAAR CASCADE CLASSIFIER ALGORITHM TO DETECT FACES IN REAL-TIME. THIS ALGORITHM IS HIGHLY ACCURATE AND EFFICIENT, MAKING IT AN IDEAL CHOICE FOR OUR SYSTEM.

IMPACT ON PUBLIC SAFETY

REDUCING CRIME RATES

OUR COMPUTER VISION TECHNOLOGY HAS BEEN PROVEN TO REDUCE CRIME RATES IN AREAS WHERE IT IS IMPLEMENTED.

IMPROVING RESPONSE TIMES

OUR REAL-TIME FACE DETECTION AND IMAGE CAPTURE CAPABILITIES ALLOW FOR FASTER RESPONSE TIMES BY LAW ENFORCEMENT.

ENHANCING COMMUNITY SAFETY

BY PROVIDING A USER-FRIENDLY SURVEILLANCE SYSTEM, WE EMPOWER COMMUNITIES TO TAKE AN ACTIVE ROLE IN THEIR OWN SAFETY.