REVA HACK</> 2021

Elevator Pitch

**Coding Phantom**

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**FACE DETECTION USING AI/ML**

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# **Overview**

Although systems have been developed for face detection and tracking, reliable face recognition still offers a great challenge to computer vision and pattern recognition researchers. The problem here trying to be solved is slow detection and inappropriateness of expression.

# **Goals**

The problem is solved by using the Haar Cascade Algorithm. This algorithm is preferred because its speed is the fastest and unbeatable further it can be more accurate by enhancing this algorithm.

# **Working Methodology**

Here, the face is detected by Haar features which runs through the image pixel by pixel.

These modules are stored in XML files and can be read with OpenCV methods and can be implemented using JAVA, C++ and PYTHON.

# **Specifications**

* TECH STACK USED- OpenCV
* IDE – Visual Studio
* PROGRAMMING LANGUAGE: PYTHON

# **Links and other Information:**

* https://docs.google.com/presentation/d/1hz\_56QMlySfMVIEIOa4-qh\_IcR6El1jQ/edit?usp=sharing&ouid=105691906198446726404&rtpof=true&sd=true
* <https://github.com/SnehaSanjana/Sneha-.git>
* https://youtu.be/ty\_zDeRkMH4

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