

CHEHRA: An Application for Forensic Face Sketch Construction and Recognition

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Abstract: *In this modern age, the overall crime rate is increasing day-by-day and to cope up with this the law enforcement departments too should find ways that would speed up the overall process and help them in bringing one to justice. One such way can be using face recognition technology for identifying and verifying the criminal. The traditional approach here is to use the hand-drawn face sketches drawn by forensic sketch artist to identify the criminal, modernizing this would mean using the hand drawn sketch and then matching them with the law enforcement departments database to identify the criminal. We believe, there is a need for creating an application which would not just provide a set of individual features like eyes, ears, mouth, etc. to be selected to create a face sketch but also would help in finding the criminal much faster and efficiently.*

Keywords: Face sketches, Construction, Recognition, Deep learning, AWS, Security, Two Step Verification, Machine Locking, Criminal Identification.

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