

# Venu Govindaraju

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**Research Category:** Artificial Intelligence, Interdisciplinary

**Research Area:** Computer Vision, Machine Learning, AI for Social Good

**Research Applications:** Biometrics, Document Informatics, Fusion, AI for Education, Materials Science

## Selected Research Projects:

NSF: CITeR: Center for Identification Technology Research – Face, Fingerprint, Soft and Novel Biometrics

NSF: CIF21 DIBBS: Data Laboratory for Materials Engg. Chart Infographics, Lecture Video Processing

IARPA: BRIAR - Biometric Recognition and Identification at Altitude and Range – Face, gait, whole body recognition.

Search Results for:

$$AI_n = I_n A = A$$

Query Match Score: 45.1500%

Match on: lecture\_08  
Keyframes: 30383, 40059, 42631, 46285, 54347

$I_n$  acts like 1 does

Query Match Score: 18.8590%

Match on: lecture\_10  
Keyframes: 8526

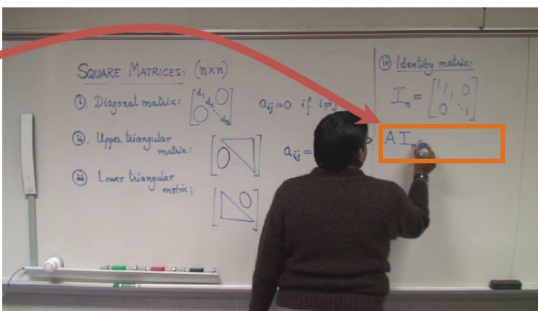
Inverse a matrix A

$$AM = MA = I_n$$

$$A \rightarrow n \times n$$

View Lecture - lecture\_08

Normal Binary Content



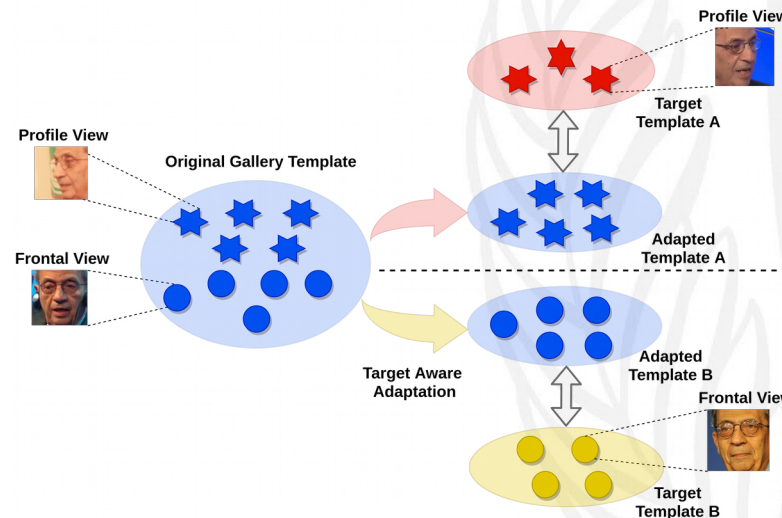
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2/16-00:05:49:00:08:13

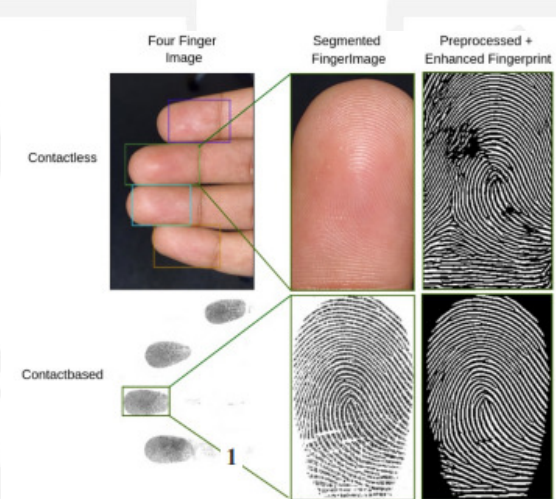
3/16-00:08:13:00:12:16

4/16-00:12:16:00:13:47

## Lecture Video Summarization



Aggregation Strategies for Face Recognition



Contactless to Contact Fingerprint Matching