Ajita Rattani
Assistant Professor,
Dept. of Computer Science and Engineering,
Director of Visual Computing and Biometric Security Lab:
https://vcbsl.github.io/lab-website/ **email: ajita.rattani@unt.edu**
Research Interests: Biometrics, Computer Vision, Deep learning, Medical Vision, Fairness of AI, Self-supervised Learning, Adversarial Learning
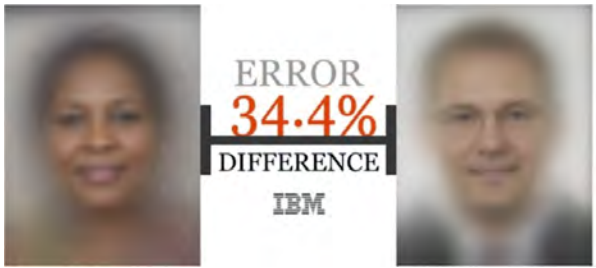**Research group: 8 PhD. students and 1 MS student**

Fairness of AI

Aim: To mitigate performance differential of various AI based systems

- **Facial Analysis based Systems**

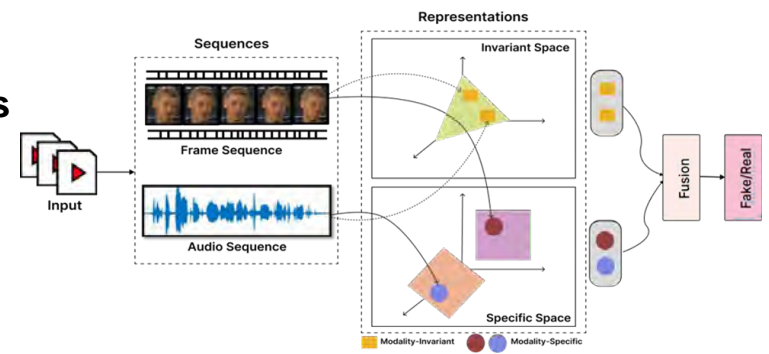- **Natural Disaster Assessment Models**

GENDER   LANGUAGE   SOCIOECONOMIC

Funds: NSF SaTC, NSF EPSCoR

Biometric-based Person Identification

Mobile Security

Audio-Visual DeepFake Detection

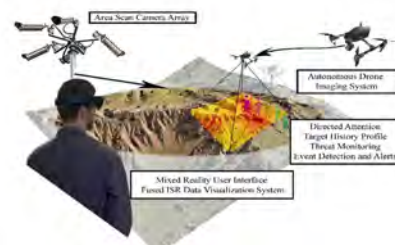**Funds: DOD DURIP, NSF SFS**

On-device AI

- **Neural network compression**
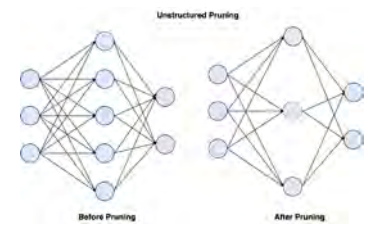
Medical Vision

- **ECG-based Arrythmia Classification**
- **Health Cues from Facial Images**

Drone Imagery