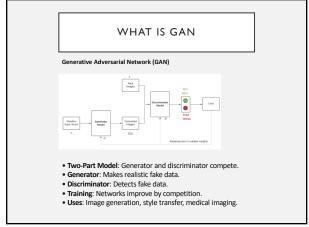
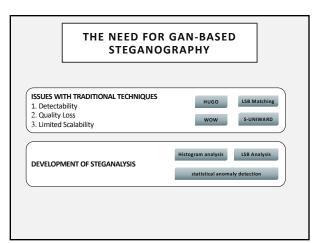


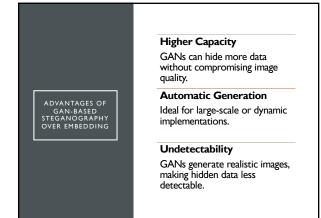
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PROJECT INSPIRATION

'A Novel Image Steganography Method via Deep Convolutional Generative Adversarial Networks'

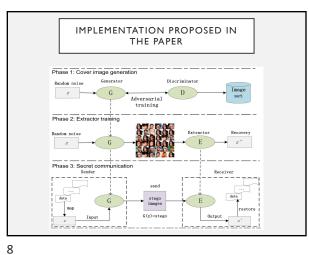
- published in 2018 by IEEE

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- DONGHUI HU, LIANG WANG, WENJIE JIANG, SHULI ZHENG, AND BIN LI

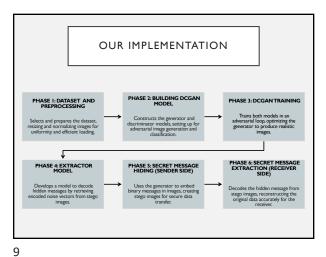
5

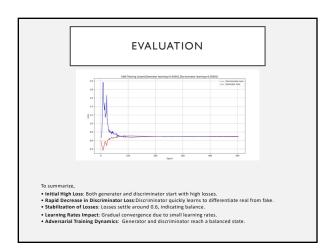
Dataset Used: CelebA Dataset - contains over 200,000 celebrity images - 10,000 unique identities - 40 attribute labels (e.g., age, gender, facial features Preprocessing: - Image Resizing - Normalization - Data Shuffling



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CHALLENGES FACED Resource and Memory Constraints Long and Computationally Intensive Training Complexity in Model Convergence and Stability Hyperparameter Tuning and Optimization Data Preprocessing and Augmentation Needs Evaluating and Interpreting Model Performance

FUTURE SCOPE AND ENHANCEMENTS GAN with Advanced ArchitecturesTry WGAN, PG-GAN, or StyleGAN for improved realism. Conditional GANs Add controls for specific features (e.g., color, style).

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