

#### **DEEPFAKE DETECTION**

# Objective: Using CNNs to detect DeepFake in Face Image Data

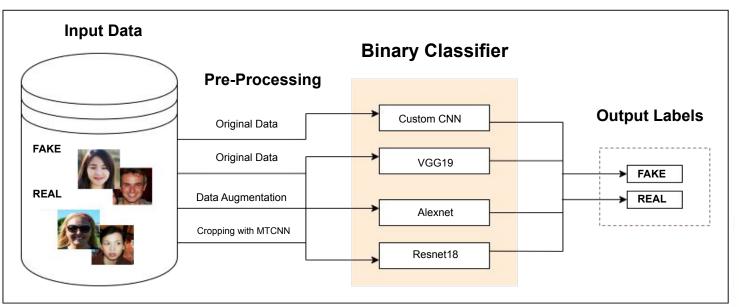


Fig 1: Our WorkFlow: Technical Approach

# **DATASET**140k Real and Fake Faces

#### **Models:**

VGG19

AlexNet

ResNet18





Real









#### **DATA:**

MTCNN GAUSSIAN (GAUSSIAN + LOW-RESOLUTION)











### **RESULTS**

\*Custom CNN 83.49

1%	Model/ Experiment	Original Data	MTCNN	Gaussian	Gaussian+Resolution
	VGG-19	98.139	97.21	95.63	93.53
	AlexNet	96.179	96.09	93.69	90.85
	ResNet-18	93.995	88.12	93.15	91.48

## **GRAPHS**



