saandeepaath@usf.edu 813-550-7761 linkedIn github profile	
RESEARCH INTEREST Affective Computing, Machine Learning, Deep learning, Computer Vision	
EDUCATION	
PhD in Computer Science University of South Florida Advised by Prof. Shaun Canavan	Tampa, FL Dec 2023
Bachelor of Science in Computer Science Visvesvaraya Technological University	Mysore, India July 2015
PUBLICATIONS	
 Task-based Classification of Reflective Thinking Using Mixture of Classifie S. Aathreya, L. JIVNANI, S. SRIVASTAVA, S. HINDUJA, S. CANAVAN 	rs ACII 2021
 Recognizing Emotion in the Wild using Multimodal Data S. Srivastava, S. Aathreya, S. Hinduja, S. Jannat, H. Elhamdadi, S. Canavan 	ICMI 2020
Three-level Training of Multi-Head Architecture for Pain Detection S. Aathreya, S. HINDUJA, S. CANAVAN	FG 2019
WORK EXPERIENCE	
UNIVERSITY OF SOUTH FLORIDA RESEARCH ASSISTANT (RA) Tamp	a, FL July 2020 - Present
 Involved in development of a robust DeepFake Detection technique accompanied by creation of DeepFake dataset using SOTA methods. 	
 Analysed and modelled facial expressions using Vision-based techniques and implemented supervised learning using deep learning methods. 	
INFOSYS TECHNOLOGY ANALYST Mysore, In	ndia Sep 2015 – July 2019
 Acting lead for a team involved in development and maintenance of 40+ mortgage business applications. Designed end-user reports and dashboards leveraging SQL/SSIS to submit to business users. Developed enterprise level applications from scratch under Agile methodology. 	
PROJECTS	
AUTOMATIC OPENFACE EXTRACTOR IC Utilized the openface docker tool to extract useful features from a face image. This was fed to classifiers for downstream analysis.	Рүтноn, Docker o machine learning
AUTOMATIC POISSON BLENDING 🗹 Performs Poisson blending on images for fake object creation. The pipeline included image se Detectron2.	Рүтном, РуТоксн egmentation using
REALNVP C Re-implementation of RealNVP generative algorithm in PyTorch framework to generate real GPU nodes.	Python, PyTorch, shell isitic fake images on multiple

Saandeep Aathreya

SKILLS

Languages: Python, C++, C#, C, SQL Libraries/Frameworks: PyTorch, TensorFlow, Pandas, Scikit-learn, Matplotlib, UMAP Others: Git, &TEX, VSCode, Linux, Rally, Distributed Computing in PyTorch