

Education

Bachelor of Technology, Computer Science
Indian Institute of Information Technology, Sri City

August 2017 — May 2021
CGPA: 9.56/10

Higher Secondary Education
Sri Chaitanya Junior College, Visakhapatnam

July 2015 — April 2017
Percentage: 97.9%

Secondary Education
Rishi Vidyalaya Gurukulam, Visakhapatnam

July 2013 — April 2015
CGPA: 10/10

Research and Publications

Animepose: Multi-person 3D pose estimation and animation

- In this work, we present a simple yet effective solution to generate simple 3D animation of human movement of multiple persons from a 2D video using deep learning. Our work has been published in Pattern Recognition Letters journal, 2021 distributed by Elsevier.
- Original Publication Link: <https://doi.org/10.1016/j.patrec.2021.03.028>
- Arxiv Preprint Link : <https://arxiv.org/pdf/2002.02792.pdf>

Efficient High-Resolution Image-to-Image Translation using Multi-Scale Gradient U-Net

- We introduce an efficient high-resolution image-to-image translation GAN architecture which has very less computational complexity when compared with state-of-art-networks like Pix2PixHD. Our work has been accepted by the 6th IAPR International Conference on Computer Vision and Image Processing (CVIP), 2021. (This paper will be published around December 2021)
- Arxiv Preprint Link : <https://arxiv.org/pdf/2105.13067.pdf>

Work Experience (1 yr +)

Computer vision engineer
OneStopAR

September 2021 — Present
Hyderabad, India

- AR shoe try-on: Working on developing an AR shoes try-on application which enables footwear brands to deliver a try-before-you-buy experience which can improve online conversations and sales of the product.
- 2D pose estimation using deep learning is used to detect the position and orientation of leg to properly project the 3D shoe model on to human foot.

Computer vision and Deep learning Intern
ALOG TECH

January 2021 — July 2021
Hyderabad, India

- Automatic Dataset labelling Tool: Worked on developing a automatic image dataset labelling tool with the help of a one-shot learning model using PyTorch framework.

Computer vision and Deep learning Intern
ALOG TECH

April 2020 — August 2020
Hyderabad, India

- Autonomous Inspection and Inventory Management: Worked on developing a tool called ALOG AIIM (Autonomous Inspection and Inventory Management), which automates product inspection and counting using static cameras. ALOG AIIM has been deployed in BPCL, a Fortune 500 Oil and Gas company in India, to inspect and count LPG cylinders.
- Recognizing AIIM's efficient use of OpenVINO for inference time optimization, this product has been selected and featured on the "Intel Global AI Solutions" website.
- Link (Intel listing) : <https://www.intel.com/content/www/us/en/internet-of-things/ai-in-production/partners/alog-tech.html>

Teaching Assistant
Indian Institute of Information Technology, Sri City

August 2019 — March 2020
Chittoor, India

- Worked as a Teaching assistant for the courses Programming in C, Data structures and Algorithms.
- My responsibilities included conducting lab sessions, tutorial sessions, creating and grading assignments for freshmen.

Projects

New Dress Generation using neural style transfer [!\[\]\(b626ca8a6876887fc3858e02aec38235_img.jpg\)](#)
Computer Vision Project

Sept 2019 — Dec 2019

- A computer vision model that takes in two dresses and mixes style of one dress with content of another dress to generate a new dress using neural style transfer.
- Tools: Python, Keras, Tensorflow, MATLAB

Style My Way [↗](#)

Sept 2019 — Dec 2019

E-commerce Web Application

- A fashion e-commerce website made with the help of Reactjs and Nodejs with MongoDB database.
- Tools: JavaScript, Nodejs, MongoDB, Reactjs, HTML, CSS

It's Show Time [↗](#)

Jan 2019 — April 2019

Web Application

- A movie ticket booking website made with the help of Reactjs and Django with MySQL database and data about movies are collected using web scraping.
- Tools: JavaScript, MongoDB, Reactjs, Django, HTML, CSS

Automatic Vehicle Registration Number Detection [↗](#)

Sept 2018 — Dec 2018

Computer Vision Project

- A Computer vision project which detects vehicle plate in an image and extracts the registration number made with help of Tensorflow Models
- Tools: Python, Keras, Tensorflow, Tesseract OCR

Skills

Programming Languages	C, C++, Python, Javascript, MATLAB,
Framework and Libraries	Numpy, Pandas, ScikitLearn, Keras, Tensorflow, PyTorch
Web Technologies	HTML5, CSS3, Javascript, Django, Nodejs, Reactjs, AWS EC2
Database Technologies	MySQL, MongoDB
Tools	Github, MS Excel
Operating Systems	Linux, Windows

Accomplishments & Certifications

- Accomplishment: Ranked 1st (based on CGPA) in computer science undergraduate class of 200 people.
- **Certificate** [↗](#): DeepLearning.AI TensorFlow Developer Specialization on Coursera
- **Certificate** [↗](#): Deep Learning Specialization on Coursera
- **Certificate** [↗](#): Online Machine Learning Course offered by Stanford University on Coursera