

Education

Bachelor of Technology, Computer Science (Gold Medalist)

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 the 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 with very little 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 June 2022).
- Arxiv Preprint Link : <https://arxiv.org/pdf/2105.13067.pdf>

Work Experience (1 yr +)

Computer Vision Engineer

Hammoq

Januray 2022 — present

Indore,India

- I am currently working as a computer vision engineer on developing CNN models for apparel classification for automatic product listing.

Full Stack Computer Vision Engineer

ALOG TECH

September 2021 — December 2021

Hyderabad,India

- Worked as a lead engineer on developing software for automating robot fleet management in warehouses.

Computer vision and Deep learning Intern

ALOG TECH

January 2021 — July 2021

Hyderabad,India

- Automatic Dataset labeling Tool: Worked on developing an autonomous image dataset labeling 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, for counting 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.
- My responsibilities included conducting lab sessions, tutorial sessions, creating and grading assignments for freshmen.

Projects

New Dress Generation using neural style transfer [↗](#)

Sept 2019 — Dec 2019

Computer Vision Project

- A computer vision model that takes in two dresses and mixes the style of one dress with the 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 the 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, and Community services.

- **Accomplishment:** Gold Medalist in Undergraduate studies. 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.
- **Community Service:** I joined the Women Empowerment and Research Project's (WERP) Women in Tech initiative program, where I taught the basics of computers and even HTML and CSS basics to underprivileged high school girls in rural areas.