

Sai Pavan Tadem

Graduate student with dedicated research interests in Deep Learning and Computer Vision.

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[LinkedIN](#)

[GitHub](#)

EDUCATION

Indian Institute of Technology , Kharagpur —Master of Technology in Medical Imaging and Informatics.

AUG 2021 -Present

CGPA 8.35/10

Malla Reddy Engineering College-JNTUH, Hyderabad — Bachelor of Technology in Electronics and communication Engineering.

2015 - 2019

CGPA 8.23 /10

Narayana Junior College, Hyderabad —XII th Grade

2013 - 2015

Score 913/1000

Indur School,Nizamabad — X th Grade

2012 - 2013

CGPA 9.3/10

PROJECTS

Minor Project — CycleGAN -IIT Kharagpur

- PyTorch Implementation of original paper-Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks.
- Class project for Neural Networks and Applications.
- Tech Stack : Python, PyTorch.
- Done [detailed analysis](#) and [report](#) with different dataset

Minor Project — [WBC classification](#) -IIT Kharagpur

- Data Classes -Eosinophil,Lymphocyte,Monocyte,Neutrophil
- Feature extraction using image processing -Local binary Patterns
- Tech Stack : Matlab

SKILLS

- PROGRAMMING LANGUAGES

Python, Matlab, C.

- Computer vision/ML/DL

Sklearn, PyTorch, OpenCV.

COURSEWORK

- Design and analysis of algorithms.
- Digital Image Processing and applications
- Neural networks and applications
- [Computer Vision](#).
- Pattern recognition and Machine intelligence in Medicine.

LANGUAGES

English,Hindi,Telugu

Minor Project — [*Pneumonia detection using deep learning*](#) -
IIT Kharagpur

- Class project for Pattern recognition and machine intelligence in medicine
- Tech Stack : Pytorch ,OpenCV

Minor Project — *AI based Telepathology- IIT Kharagpur*

- Designed a web application for pathologist & patients
- Features : Remote appointments, AI assisted diagnosis
- Tech Stack : ReactJS, NodeJS, MongoDB, Python, PyTorch, Azure, Heroku.