Sai Pavan Tadem

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

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LinkedIN
GitHub

EDUCATION

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

AUG 2021 -Present

CGPA 8.0/10

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

- Linux operating system
- PROGRAMMING LANGUAGES:

  Python, Matlab, C
- Sklearn, PyTorch, OpenCV.
- D3 for data visualization,NodeJS, MongoDB.

COURSEWORK

- Biostatistics
- 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.