

# TARPIT SAHU

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## EDUCATION

M.Tech - Computer Science and Engineering  
IIIT Hyderabad

July 18 – June 20

GPA: 8.83

B.Tech - Computer Science and Engineering  
College Of Engineering Roorkee

July 14 – June 18

Percentage: 78.16%

CBSE - 12th Class

D.A.V. Centenary Public School, Haridwar

2014

Percentage: 92.60%

CBSE - 10th Class

D.A.V. Centenary Public School, Haridwar

2012

CGPA: 10

## INTERNSHIPS AND EXPERIENCE

Teaching Assistant

Scripting and Computer Environments

July 2019 - December 2019 IIIT-Hyderabad

- Managed a batch strength of 118 students along with two Co-TAs. My duties included taking lectures, tutorials, designing assignments and grading students.

Internship

RWX Technologies

17th May - 13th July, 2017 Roorkee, India

- Research and development of machine learning and computer vision methods for Classification & Evaluation of Paintings and Artworks

Volunteering

APEX Body - IIIT Hyderabad

July 2019 - May 2020

IIIT-Hyderabad

Computer Society of India, Haridwar Chapter

Nov 2014 - Jun 2015

COER

## SKILLS

- Programming Languages and Tools**  
C, C++, Python, Java, MySQL, Git, Docker
- Platforms**  
Ubuntu, Windows

## ACADEMIC ACHIEVEMENTS

- AIR 428 (99.60 Percentile) in Graduate Aptitude Test in Engineering (CSE).
- 2 x IIIT-H Dean's List Awards for excellent performance | awarded to Top10% Students | (Monsoon 2018, Spring 2019).
- Honors Degree for Excellent Performance in BTech at COER.

## PROJECTS

Rate My Painting

- Developed a machine learning framework to classify and evaluate paintings and artworks.
- Technologies used:** Matlab, Python

FileHunt: File Explorer For Linux

- Developed a Terminal based FileExplorer and implemented basic functionalities including cp, mkdir, mv, search, rename, delete, snapshot.
- Technologies used:** C++

Enigma : A Distributed Platform

- Developed a distributed platform that supports deployment of AI Applications
- Technologies used:** Python, RabbitMQ, Tensorflow, Flask, MongoDB

Travis : A Personalized Chatbot

- Developed an intelligent web based chatbot specifically for Tourism domain.
- Technologies used:** Python, Flask

GDriveFS: Mounting Google Drive as a Filesystem using FUSE

- Developed A user-space Python application that maps the appropriate kernel calls to HTTP requests to Google Drive API and vice-versa.
- Technologies used:** Python

Annapurna: Mess Portal

- Developed a Web-Application that allows to manage Registrations at various Mess at IIIT H.
- Technologies used:** Python, Flask, HTML, CSS, JavaScript

## COURSE WORK

- Advanced Problem Solving
- Data Structures & Algorithms
- Scripting & Computer Environments
- Operating Systems
- Database Systems

## PUBLICATIONS

Classification and Aesthetic Evaluation of Paintings and Artworks

- 2017 13th International Conference on Signal-Image Technology Internet-Based Systems
- Publisher : IEEE

Indian Art Form Recognition Using Convolutional Neural Networks

- 2018 5th International Conference on Signal Processing and Integrated Networks
- Publisher : IEEE