TARPIT SAHU

Student, International Institute of Information Technology Hyderabad

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EDUCATION

M.Tech - Computer Science and Engineering

IIIT Hyderabad

July 18 – June 20 (expected) **GPA : 9.17**

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, present IIIT-Hyderabad

Internship

RWX Technologies

17th May - 13th July, 2019 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, present IIIT-Hyderabad

Computer Society of India, Haridwar Chapter

Nov 2014, Jun 2015 COER

SKILLS

- **Programming Languages Tools**
  C, C++, Python, MySQL, Solidity, RabbitMQ, Bash, MongoDB
- **Platforms**
  Linux, Windows, Docker

ACADEMIC ACHIEVEMENTS

- **AIR 428** (99.60 Percentile) in Graduate Aptitude Test in Engineering (CSE).
- IIIT-H Dean's List Award : Monsoon 2018, Spring 2019.
- Honors Degree for Excellent Performance in BTech at COER.

PROJECTS

AI-on-Edge Platform

- A distributed platform that supports deployment of TensorFlow based AI Applications and supported all IOT features along with it.
- **Technologies used :** Python, Docker, RabbitMQ, Tensorflow, Flask

SPSLS : A Blockchain based Game

- Developed a classic two player Stone Paper Scissors game in Solidity and used Truflle for writing tests.
- **Technologies used :** Solidity, Ganache, Truffle, Metamask

Annapurna : Mess Portal

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

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++

GDriveFS : Mounting Google Drive as a Filesystem using FUSE

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

Rate My Painting

- Developed a machine learning framework to classify and evaluate paintings and artworks.
- Published a research paper in 2017 13th International Conference on Signal-Image Technology Internet-Based Systems (SITIS).
- **Technologies used :** Matlab, Python

COURSEWORK

- Advanced Problem Solving
- Operating Systems
- Blockchain Technology
- Internals of Application Server
- Data Structures and Algorithms
- Scripting and Computer Environments