HARSHITA GUPTA

Junior at CSE IIT Jodhpur

Portfolio: Harshita Gupta | **LinkedIn:** Harshita Gupta |
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EDUCATION

IIT JODHPUR
B.Tech in Computer Science and Engineering
Expected May 2024 | Jodhpur, India
CGPA: 6.6/10 (up to 5th sem)

Children's Academy Convent School
Class 12 | C.B.S.E Board
Grad. Jun 2020 | Alwar, Rajasthan
Percentage: 92.2%

St. Anselms Sr. Sec. School
Class 10 | C.B.S.E Board
Grad. Jun 2018 | Alwar, Rajasthan
Percentage: 93.6%

SKILLS

PROGRAMMING
Proficient: • C++ • C • Python • Java
Familiar: • JavaScript

DEVELOPMENT
• HTML • CSS • Android Studio

FAMILIAR
• Node.js • MATLAB • Django • MySQL

OTHER SKILLS
• Machine Learning • CloudComputing • Product & Management • Git and Tools

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Pattern Recognition and Machine Learning
Software Engineering
Discrete Mathematics
Foundations of Quantum Information
Operating Systems
Database System
Computer Architecture
Design and Analysis of Algorithms
Principles of Programming Languages

PROJECTS

Implementation of Private Cloud with Old HPC servers | Project
June 2022 - Present | Mentor: Dr. Suman Kundu
The aim is to provide **an open-source** solution to build a private cloud with **Old HPC servers.** It involves setting up cloud services with EOL servers available with the Computer Center, IIT Jodhpur, hardware and configuration level tasks with enterprise-grade servers.

- **Deliverables:**
  - Installing OpenStack and creating instances
  - Setting up MAAS and Juju
  - Configure Hardware

Decentralized Voting System | SUMMER PROJECT | Github
Feb 2022 – June 2022 | Mentor: Dr. Debasis Das
The aim is to provide a **blockchain-based system** that relies on **each participating node** to store the **data block locally**. Developed a digital decentralized fault-tolerant voting application based on blockchain architecture and consensus protocol. The project aimed to create a more secure, robust, and stable voting system than the current operating system.

HEART FAILURE PREDICTION | COURSE PROJECT | Github
March 2022 – April 2022 | Mentor: Dr. Richa Singh
Predict Cardiovascular disorders(CVDs) based on data set through **Machine Learning Techniques.** In-depth research followed by an **analytical and quantitative** comparison between different Machine Learning Techniques, such as **Random forest classifiers, Decision Trees, XGBoost Classifier, LightBGM Classifier, and K-NN Classifiers**.

ROLES AND RESPONSIBILITIES

- **Nov'2022-Feb2023: Marketing Head** of Prometeo 23, IIT Jodhpur
- **2022-Present: Executive** of CSE Society, BDS, IIT Jodhpur
- **2022: Assistant Head** of Design & Creativity Team of Varchas 22, IIT Jodhpur
- **2021-2022: Overall Coordinator** of Frame-X, IIT Jodhpur

ACHIEVEMENTS

- **2020:** Among **top 0.7% of 1.2 million** Applicants in JEE (Mains)-2020
- **2020:** Secured Rank **AIR 5977** in JEE (Advanced) -2020