HARSHITA GUPTA
Junior at CSE IIT Jodhpur

@ gupta.75@iitj.ac.in | +91-6367576203

in Harshita Gupta ○ Harshita-1107

EDUCATION

IIT JODHPUR
B.Tech in Computer Science and Engineering
Expected May 2024 | Jodhpur, India
CGPA: 6.88/10 (up to 4th 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
• Git and Tools • Jupyter Notebook
• Machine Learning • VS Code
• Adobe After Effects • Google Colab
• Management • Adobe Premiere Pro

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Pattern Recognition and Machine Learning
Software Engineering
Human-Machine Interaction
Probability, Statistics, and Stochastic Processes
Maths for Computing
Foundations of Quantum Information
Operating Systems*
Design and Analysis of Algorithm*
Database System*
Computer Architecture*
Principle of Programming Languages*
*Ongoing Courses

PROJECTS

Implementation of Private Cloud with Old HPC servers
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.**
- Implement a **private cloud** wherein we can share hardware resources to **reduce the cost of IT services** of an organization.

ONLINE VOTING SYSTEM | Github
Feb 2022 – May 2022 | Mentor: Dr. Debasis Das
- It is a desktop application made with **socket programming** in **Python.** It uses **flask, synchronous multithreading** methods.
- The project aims to increase the **voting percentage** and remove **human fallibility** from the tabulation process of **Election**.

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

ROLES AND RESPONSIBILITIES
- **2022: Assitant Head** of Design & Creativity Team of Varchas'22, IIT Jodhpur
- **2021-2022: Overall Co-ordinator** of Frame-X, IIT Jodhpur

ACHIEVEMENTS
- **2020:** Among **top 0.5% of 1.2 million** Applicants in JEE-2020
- **2020:** Secured Rank **AIR 5977** in JEE-2020

EXTRA-CURRICULAR
- **2018: STATE-LEVEL** Basketball Player
- **2017: GOVERNOR AWARDEE** Bharat Scouts and Guides Rajasthan