

# Harshita Gupta

Senior | Computer Science and Engineering | IIT Jodhpur  
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## EDUCATION

### IIT JODHPUR

B.TECH IN COMPUTER SCIENCE  
 Expected May 2024 | Jodhpur, RAJ.  
 Cum. GPA: 6.63/10 (UPTO 6th SEM)

### CHILDREN'S ACADEMY CONVENT SCHOOL

CLASS 12 | C.B.S.E BOARD  
 Grad. Jun 2020 | Alwar, RAJ.  
 Percentage: 92.2%

### ST. ANSELMS SR. SEC. SCHOOL

CLASS 10 | C.B.S.E BOARD  
 Grad. Jun 2018 | Alwar, RAJ.  
 Percentage: 93.6%

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms  
 Pattern Recognition and Machine Learning  
 Advanced Artificial Intelligence  
 Computer Networks  
 CyberSecurity  
 Software Engineering  
 Operating Systems  
 Database System  
 Computer Architecture  
 Design and Analysis of Algorithms  
 Principles of Programming Language

## SKILLS

### PROGRAMMING

Proficient:

• C++ • C • Python

Familiar:

• Java • JavaScript • LaTeX • MySQL  
 • CSS • HTML • MATLAB

### OTHER

• Cloud Computing • Machine Learning  
 • Containers(LXD) • Networking  
 • Git and Tools • OpenStack  
 • AWS • Firebase • Android Studio

## LINKS

Github:// [Harshita Gupta](#)  
 LinkedIn:// [Harshita Gupta](#)  
 Leetcode:// [Harshita Gupta](#)

## PROJECTS

### BUILDING PRIVATE CLOUD | CLOUD COMPUTING

Mentor Dr. Suman Kundu | IIT JODHPUR | June 2022 - March 2023

- Built a **private cloud** for IITJ Community with **OpenStack, Juju, and MaaS** on the **HPC servers** at the Data Center, IITJ
- Involves setting up **cloud services** with **EOL servers, hardware, and configuration level tasks** with enterprise-grade servers.

### DECENTRALIZED VOTING SYSTEM | BLOCKCHAIN DEVELOPER

Mentor Dr. Debasis Das | IIT JODHPUR | Feb 2022 - June 2022 | [GitHub](#)

- A **Blockchain** based approach to create a more secure, robust, and stable voting system and remove human fallibility from the tabulation process of Election.
- Developed a **digital decentralized** fault-tolerant **voting application** based on blockchain architecture and **consensus protocol** that relies on each participating node to store the data block locally.

### HEART FAILURE PREDICTION | MACHINE LEARNING

Mentor Dr. Richa Singh | IIT JODHPUR | March 2022 - April 2022 | [GitHub](#)

- **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**.

### FACE MASK DETECTION | DL MODEL OPTIMIZATION

Mentor Dr. Binod Kumar | IIT JODHPUR | March 2023 - May 2023 | [GitHub](#)

- The project focuses on **optimization of deep learning models** for lightweight face mask detection.
- Developed to enforce **safety measures during a pandemic** or in situations where wearing face masks is required.

## POSITIONS OF RESPONSIBILITIES

Nov'22 - Jan'23	<b>Marketing Head, Prometeo'23</b> , IIT Jodhpur
Oct'22 - July'23	<b>Executive, CSE Society, BDS</b> , IIT Jodhpur
March - April'22	<b>Assistant Head, D&amp;C Team, Varchas'22</b> , IIT Jodhpur
March - April'22	<b>Assistant Head, Events Management Team, Varchas'22</b> , IIT Jodhpur
July'21 - May'22	<b>Core Team Lead, Frame-X</b> , IIT Jodhpur

## ACHIEVEMENTS

2023	<b>Bronze Medal</b>	Mega Job-A-Thon for Freshers(GFG)
2020	<b>National</b>	Secured Rank <b>AIR 5977</b> in JEE (Advanced)
2020	<b>top 0.7%ile</b>	Joint Entrance Examination(Mains)
2018	<b>1st Place (State)</b>	Rajasthan State Games Talent Search Competition(Basketball)
2017	<b>STATE</b>	<b>GOVERNOR AWARDEE</b> Bharat Scouts and Guides, Rajasthan

## EXTRACURRICULAR

Dec'2022	Represented IIT Jodhpur at <b>55th Inter IIT Sports Meet</b>
July'2023	<b>Sales &amp; Marketing Intern</b> at Fanztar