

# HARSHITA GUPTA

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 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%

## 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

## SKILLS

### PROGRAMMING

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

### DEVELOPMENT

• HTML • CSS • Firebase • Android Studio

### FAMILIAR

• Node.js • MATLAB • Django • MySQL

### OTHER SKILLS

• Git and Tools • Machine Learning  
• Jupyter Notebook • Adobe After Effects  
• Google Colab • VS Code • Management

## PROJECTS

### Implementation of Private Cloud with Old HPC servers

June 2022 – Present | Mentor: Dr. Suman Kundu

- Build our private clouds and share resources viz. hardware and software.
- 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

- The project aims to increase participation in the voting process.
- Develop a voting mechanism to overcome the issue of loss of movement due to circumstances like covid-19.

### HEART FAILURE PREDICTION | COURSE PROJECT | [Github](#)

March 2022 – April 2022 | Mentor: Dr. Richa Singh

- Train different classification models and compare models' performance using their accuracy, F1 score, ROC, and Precision.
- Predict Cardiovascular disorders(CVDs) based on data set that provides patients' information.

### Med-BUDDY | COURSE PROJECT | [Github](#)

April 2021 – Oct. 2021 | Mentor: Dr. Durgamadhab Mishra

- Reduce the waiting period of long lines for OPD patients.
- Develop a medical app for online booking and facilities availabilities for OPD patients.

### E-KRISHAAN | COURSE PROJECT | [Github](#)

Jan 2022 – April 2022 | Mentor: Dr. Sumit Kalra

- Extract the necessary information from various portals and gather it in a single place.
- Develop an informative app for the upliftment of farmers and distribution of profit uniformly over the supply chain.

## ACHIEVEMENTS

- JEE-2020: Secured AIR 5977 in JEE Advanced
- STATE-LEVEL Basketball Player(2018)
- GOVERNOR AWARDEE(2017) BHARAT SCOUTS AND GUIDES RAJASTHAN

## EXTRA-CURRICULAR

- Co-ordinator of Frame-X Society
- Assistant Head of Design&Creativity Team Varchas'22