

# Arpit Gupta

Pre-Final Year (B.Tech) | Electrical Engineering | IIT Jodhpur  
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## EDUCATION

### IIT JODHPUR

B.TECH IN ELECTRICAL ENGINEERING  
Expected 2022 | Jodhpur, India  
CGPA: 7.92/10.00 (Upto 3rd sem)

### CITY INTERNATIONAL SCHOOL

HIGHER SECONDARY EDUCATION  
CBSE | Pune | March 2018  
Percentage: 95.8

### THE BISHOPS CO-ED SCHOOL

SECONDARY EDUCATION  
ICSE | Pune | March 2016  
Percentage: 94

## COURSEWORK

### UNDERGRADUATE

Computer Programming  
Linear Algebra and Calculus  
Probability, Statistics and Random Processes  
Complex Analysis and Differential Equations  
Digital Logic and Design  
Signals and Systems  
Basic Electronics Engineering  
Power System  
Circuit Theory  
Electromagnetic Theory  
Physics of Semiconductor Devices

## SKILLS

### LANGUAGES

Proficient:

• C • C++ • Python

Familiar:

• Javascript • MATLAB • Solidity

### TECHNOLOGIES

• ReactJS • Django • NodeJS • ExpressJS  
• React-native • MongoDB

### DATA SCIENCE

• CNN • Machine Learning • Tensorflow  
• OpenCV

### OTHERS

• Adobe Premier Pro • Adobe After Effects

## LINKS

Github:// [arpitgupta1906](#)

LinkedIn:// [arpit-gupta](#)

Codechef:// [tipra19](#)

Codeforces:// [arpire1906](#)

HackerEarth:// [gupta\\_arpit1906](#)

## PROJECTS

### SCIENTIFIC CHART READER | B.TECH PROJECT

Mentor: Dr. Anand Mishra | Open sourced, Github

- A **Django** based Web Interface to extract data in tabular and Latex form from an image of a Bar graph
- Trained various **CNN** architectures such as **VGG16**, **VGG19**, **InceptionResNetV2** for classification of bar graphs and **Pytesseract** for detection and extraction of texts.
- Designed and implemented a set of algorithms aided by the image processing libraries of **OpenCV** to obtain the height of bars.

### VOTE-CHAIN | BLOCK-CHAIN BASED VOTING SYSTEM

Microsoft Codefundo++ 2019 | Open Sourced, Github

- Developed a decentralized web application using **Solidity** smart contract, **MetaMask** wallet, **React.js** and Azure Blockchain service to provide an extremely secure and transparent platform to conduct elections.

### TODOLIST | HACKATHON PROJECT

Open Sourced, Github | Website

- A Full-stack web application to manage user tasks and team projects to provide seamless collaboration in an organised manner, build using **MERN** stack and uses JSONWeb Token for authentication and **Axios** to fetch data from the backend for StackHack 1.0 hackerearth hackathon.
- Technologies used: **MERN** stack, **Heroku**, **Git**, **Bootstrap**, **Netlify**

### ALT-MEDS | BLOCK-CHAIN BASED WEB PORTAL

36 hour Software Hackathon Prometeo | Open Sourced Github

- A Blockchain based portal for doctors to add alternate medicines for any disease
- Provision to add doctors, verify them, add medicines and seek for alternatives of products.
- Technologies: **Truffle**, **Solidity**, **Reactjs**

## ACHIEVEMENTS

- Placed among **0.5%** of 1.05 million JEE 2018 aspirants
- Secured **1st Position** in 36 hour Software Hackathon conducted during the annual technical fest Prometeo of IIT Jodhpur
- Represented IITJ in Smart India Hackathon 2020.
- **Division 1** Programmer in Codechef

## POSITIONS OF RESPONSIBILITY

**Vice Captain** | Frame-X, Design and Arts Society, IIT Jodhpur | 2020

## EXTRACURRICULAR

- Assistant Head - IGNUS Digital Creativity Team, IIT Jodhpur
- Represented IIT Jodhpur in 51-hour film making Competition in Cultural Meet'20