

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

Website:// [arpitgupta1906](#) Github://

[arpitgupta1906](#)

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

Codechef:// [tipra19](#)

Codeforces:// [arpire1906](#)

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 for the 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**

VOICE-TRANSFORMER | COURSE PROJECT

Mentor: Dr. Rajlaxmi Chouhan | Open Sourced Github

- A framework to convert a sample audio signal to a target audio signal.
- Used various concepts of audio processing such as **Fourier Transform**, **Peak Extraction**, **Sampling**, **IFT**.

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