

# Rachit Jain

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## Education

### Birla Institute of Science and Technology, Pilani

B.E. IN COMPUTER SCIENCE AND ENGINEERING

- CGPA - 8.39/10

Goa, India

August 2019 - Present

## Work Experience

### DApp World

BLOCKCHAIN DEVELOPER INTERN [WEBSITE]

Pune, India

Jan 2022 - Present

#### DP Error Report

- Designed the error reporting page for admin side.
- Used **Express**, **Firebase** for back-end and **Tailwind** for front-end.

#### DApps

- Developed web applications on blockchain.
- Tech stack: **Truffle**, **React-bootstrap**, **ReactJS**, **Solidity** and **web3JS**.

#### Playground

- Designed an online editor which helps in online compilation and deployment of smart contracts.
- Tech stack: **Javascript**, **TailwindCSS**, **Solidity** and **Ganache**.

### Vidcentum Pvt. Ltd.

SOFTWARE ENGINEER INTERN [REPORT]

Hyderabad, India

June 2021 - July 2021

- Created a **C++** executable using various libraries which reads the data from **JSON** packets sent by the sensor, creates a **CSV** file for each of the sensors, and plots the required graphs.

## Projects

### Cricket-DAO

[PROJECT LINK] [YOUTUBE DEMO]

Typescript, Solidity

March 2022

- A DAO for cricket lovers. The treasury could be used for giving away tickets to cricket matches, or even buying their own IPL Team!
- Libraries used - **openZeppelin**. Tech stack - **Hardhat**, **Typescript**, **Solidity**, **etherJS**.

### Efficient Data Annotation

[GITHUB]

Tensorflow, Python

Aug 2021 - Dec 2021

- Created a model which consists of **ERFNet** as an encoder and **SSD** decode for **Object Detection** using the **Tensorflow** framework.
- Annotated over **10,000 images** taken from the oxford dataset using **CVAT** tool and concept of **Active learning** for making training data.
- Under the supervision of **Prof Pritam Bhattacharya**.

## Competitions

2022 **secured 2111 rank world wide among 15 thousand participants**, Codeforces Round 764 (Div. 3)

2021 **Qualified the qualification round by scoring 41 points(30 required)**, Google CodeJam 2021

2019 **secured All India Rank 3634 among 12 Lakh students (approx)**, JEE Mains 2019

## Skills

- **Languages:** C, C++, Solidity, Python, JavaScript, Java, MySQL, ReactJS
- **Frameworks:** Firebase, TensorFlow, Keras
- **Tools:** GIT, MySQL, Visual Studio, Truffle
- **Libraries:** Express, Tailwind. openZeppelin

## Course Work

- **Academic:** Data structures and Algorithms, Database Management Systems, Operating System, Deep Learning, Approximation Algorithms, Optimization, Computer Programming, Logic in CS, Discrete Maths for CS, Object Oriented programming, Linear Algebra, Calculus, Probability Statistics.
- **Online:** Data Structures and Algorithms using C/C++, Algorithm Toolbox, Python for Data Science and Machine Learning, NVIDIA DLI Certificate - Fundamentals of Deep Learning, Neural Networks and Deep Learning.