

# 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

### Dremio

SOFTWARE ENGINEER INTERN

Hyderabad, India

May 2022 - present

### DApp World

BLOCKCHAIN DEVELOPER INTERN [\[WEBSITE\]](#)

Pune, India

Feb 2022 - April 2022

- Designed report button and error reporting page for admin side using **Express**, **Firebase** and **Tailwind**.
- Developed web applications (**DApps**) on blockchain using **Truffle**, **React-bootstrap**, **ReactJS**, **Solidity** and **web3JS**.
- Developed an online editor which helps in online compilation and deployment of smart contracts using **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 **Winner at ETHernals**, Blockchain Hackathon [\[Project Link\]](#)

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

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, Foundations of Data Science, Design and Analysis of Algorithms, Computer Networks, Compiler Construction, 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.