

# Tanuj Agarwal

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## EDUCATION

### IIT JODHPUR

**BTECH IN COMPUTER SCIENCE**  
Expected 2022 | Jodhpur, India  
Dept. Rank 3  
CGPA 9.08/10 (upto 4<sup>th</sup> sem)

### DON BOSCO, PANBAZAR

**CLASS 12 | CBSE**  
2018 | Guwahati, India  
Percentage: 93.6%

### DON BOSCO, PANBAZAR

**CLASS 10 | CBSE**  
2016 | Guwahati, India  
CGPA: 10/10

## LINKS

Github:// [Tanuj22](#)  
Portfolio:// [tanuj22.github.io](#)  
LinkedIn:// [tanujagarwal22](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms  
Object Oriented Analysis and Design  
Software Engineering  
Theory of Computation  
Computer Architecture and Org  
Linear Algebra and Calculus  
Probability, Statistics & Random Processes  
Discrete Mathematics

## SKILLS

### PROGRAMMING

Proficient  
• C/C++ • Python • JavaScript  
Familiar  
• Solidity • SQL

### WEB

• Django • NodeJS • Strapi  
• VueJS • ReactJS • GatsbyJS

### DEVOPS

• Kubernetes(basics)  
• Docker • Continuous Integration  
• AWS • PostgreSQL

### UTILITIES

• Git • Linux Shell Utilities • SSH

### OTHERS

• Adobe Premiere Pro  
• Adobe After Effects

## EXPERIENCE

### CREATIVE COMMONS | COMMUNITY TEAM MEMBER

- Contributed to various Repositories of the organization. [Github](#)
- **Project Collaborator** for [CC Search Frontend](#) and [Vocabulary](#)
- Implemented REST API Endpoints for Oembed Response and Reporting Images in [CC Search API](#)

### LAYER5 | OPEN SOURCE CONTRIBUTOR | MAINTAINER

- Working on creating an interactive visual topology of different **Service Mesh** supported in the [Meshery](#) Project.
- Developing the Next Generation [website](#) for the Layer5 organization using GatsbyJS and Strapi.

### STUDENT CODE-IN | PROJECT MENTOR

- Mentoring 5 participants for the [StudentCode-In](#) Program.

## PROJECTS

### PHOTOGRAPHIC CLASSROOM ATTENDANCE | B.TECH PROJECT

Mentor: Dr Anand Mishra | Open Sourced, [Github](#) | [Demo Video](#)

- Web portal for taking attendance of a classroom using face recognition.
- Experimented with **MTCNN**, **LightCNN**, **FaceNet**, **ArcFace** for face detection and face matching.
- Achieved an accuracy of **96.67%**.

### CDC PORTAL | PORTAL FOR STUDENT PLACEMENTS, IITJ

Deployed at [spc.iitj.ac.in](#) | Open Sourced, [Github](#)

- **Project Maintainer** of the portal to automate and streamline end to end placement procedure of **1000+** students and recruiters in 2019-21.
- Worked with a team of 5 programmers and 50+ core members.

### IGNUS | PORTAL FOR ANNUAL COLLEGE CULTURAL FESTIVAL, IITJ

Deployed at [ignus.org](#)

- Portal for registration and management of **4000+** attendees in College Fest.
- Collaborated with 3 other programmers, under a core team of 40+ people.

### TA-MANAGEMENT PORTAL | PORTAL FOR MANAGING TAs, IITJ

Open Sourced, [Github](#)

- Platform for automating the assigning, managing and release of stipend for Teaching Assistants in IIT Jodhpur.

### VIRTUAL EVS | BLOCKCHAIN BASED VOTING SYSTEM | MICROSOFT

CODE.FUN.DO 2019 HACKATHON PROJECT

Open Sourced, [Github](#)

- Blockchain based portal for Secure Voting, Registration and expedite vote counting hosted using Azure Blockchain Service.

## ACHIEVEMENTS

- 2020 **Department Rank 3** in B.Tech CSE '22 (upto 4th sem.)
- 2020 Secured **1st position** in 36 hours Software Hackathon conducted during the annual technical fest Prometeo of IIT Jodhpur. Open Sourced, [Github](#)
- 2018 JEE Advanced 2018 **AIR 2583** among top 0.2%
- 2018 **State Rank 2** in Assam CEE

## POSITIONS OF RESPONSIBILITIES

- 2019-20 **IGNUS - Web Development Head**
- 2019-20 Vice-Captain, Film Making and Video Editing Club-IIT Jodhpur