

Tanuj Agarwal

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EDUCATION

IIT JODHPUR

BTECH IN COMPUTER SCIENCE
Expected 2022 | Jodhpur, India
GPA 9.17/10 (upto 3rd sem)

DON BOSCO, PANBAZAR

CLASS 12 | CBSE
2018 | Guwahati, India
Percentage: 93%

DON BOSCO, PANBAZAR

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

LINKS

Github:// [Tanuj22](#)
LinkedIn:// [tanujagarwal22](#)

COURSEWORK

UNDERGRADUATE

Computer Programming
Discrete Mathematics
Linear Algebra and Calculus
Object Oriented Analysis and Design
Data Structures and Algorithms
Theory of Computation
Computer Architecture and Org
Software Engineering

SKILLS

PROGRAMMING

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

WEB

• Django • Rest
• VueJS • ReactJS • GatsbyJS

DEVOPS

• Continuous Integration • Docker
• 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

- 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

FACE ATTENDANCE SYSTEM | B.TECH PROJECT

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

- Platform for taking attendance of group of students 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 CAREER DEVELOPMENT CELL, IITJ

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

- Contributed to 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 built with Azure Blockchain Service.

ACHIEVEMENTS

- 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 **AIR 2583** among top 0.2%
- 2018 Assam CEE **Rank 2**

POSITIONS OF RESPONSIBILITIES

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