

# Tanweer Ali

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tanweerali.me

## EDUCATION

### NIT, TRICHY

B.TECH IN INSTRUMENTATION  
AND CONTROL ENGINEERING  
MINOR IN COMPUTER SCIENCE  
AND ENGINEERING  
Expected August 2022  
Cum. GPA: 7.03 / 10

### SREE AYYAPPA PUBLIC SCHOOL, BOKARO STEEL CITY

Grad. May 2017 | BOKARO  
CBSE 12th Percentage: 86.8

### ADARSH VIDYA MANDIR

May 2015 | BOKARO  
CBSE 10th CGPA: 9.8/10

## LINKS

Github:// [tanweeralii](#)  
LinkedIn:// [tanweeralii](#)  
Codeforces:// [NOOBnINJA](#)  
Codechef:// [tanweerali](#)

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures  
Operating System  
Computer Networks  
Computer Organisation  
Data Base Management System  
Network Security

## SKILLS

### PROGRAMMING

C++ • C

### WEB DEVELOPMENT

Angular • NodeJS • Django • JQuery  
ExpressJS • PHP • HTML • CSS

### TOOLS AND DATABASES

MongoDB • MySQL • PostgreSQL  
Git

### FAMILIAR

AWS • Docker • Linux

## AWARDS

- 2018 - Qualified for a Standard Laptop in the AIEESE-2018(primary)

## EXPERIENCE

### NAVITI | SOFTWARE ENGINEERING INTERN

Sept 2020 - April 2021 | New Delhi, IN

- Developed a device monitoring system from where Admin can **monitor all the system and servers** connected to Naviti.
- Built using **Django Framework** for backend with **.NET console application** running as windows service to connect local system with server through socket and run scripts commanded remotely.
- **Powershell script runs through task scheduler** in windows to ping server about status of windows system.
- Major feature includes connecting any system remotely through **socket/django Channels** and run script to turn off, Disk cleanup, Restart, System Update, Delete Temporary Memories, etc.

### OIR, NIT, TRICHY | WEB TEAM OF OIR

Sep 2020 - May 2021

- OIR is Office of International Relations, NIT TRICHY.
- Web Development Team is responsible for maintaining the OIR's website.
- As part of Web Team, Developed a portal where professors can host project ideas and students can propose to complete the project with professor in given time duration.

## PROJECTS

### PROCTORING-PANEL | A VIDEO CONFERENCING WEB APPLICATION

May 2021 - July 2021 | <https://github.com/tanweeralii/Proctoring-Panel>

- A web application to **conduct online tests**.
- Candidates are monitored by proctor.
- Proctor's screen **streams video-cam** of all candidates while Candidates screen shows Question Papers and at the same time publishing audio and video.
- Proctor can see screen of any candidate and also announce publicly through public chat.
- Used **WebRTC** based open source media server **Openvidu** to create this **Angular11** based video conferencing application.

### SYNCHLY | DELTA WINTER OF CODE 2020

Dec 2020 - Feb 2021 | <https://github.com/hariprasanth/synchly>

- Synchly is an open source tool to **Automate database backups** with customizable recurring schedules.
- Added **PostgreSQL, MondoDB** and **Redis** Database Support.
- **S3** Cloud Backup support also added.

### CONTAINER-MANAGER | DOCKER'S MANAGER

March 2020 | <https://github.com/tanweeralii/Container-Manager>

- A **NodeJS** Web app to **manage Docker's Container** like stop, start, restart containers, etc.
- User can also list Available Images, List all containers and List running containers present in host's system.
- **Jquery Terminal** is used to create **web terminals** where users can execute bash commands directly inside running containers and also get the response.
- **Upload files** upto 200MB inside running container at any location from web application.