

# Tanweer Ali

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Portfolio

## EDUCATION

### NIT, TRICHY

B.TECH IN INSTRUMENTATION  
AND CONTROL ENGINEERING  
Expected May 2022  
Cum. GPA: 7.04 / 10

## LINKS

Github:// [tanweeralii](#)  
LinkedIn:// [tanweeralii](#)  
Medium:// [tanweerali908](#)  
Devpost:// [tanweeralii](#)

## SKILLS

### PROGRAMMING

C++ • C

### WEB DEVELOPMENT

NodeJS • Django • ExpressJS • HTML • CSS

### TOOLS AND DATABASES

MongoDB • MySQL • PostgreSQL  
**FAMILIAR**

AWS • Docker

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures  
Operating Systems  
Computer Networks  
Data Base Management System

## AWARDS

- 2021 - Secured 2nd Rank overall at MLH Hackfit Hackathon out of 51 teams.
- 2021 - Secured 3rd Rank overall out of 24 teams and Won Best Human-Centered Hack award at Kent Hack Enough Hackathon.
- 2021 - Won Best Use of Google Cloud Award at Give Back Hacks Hackathon.

## OTHER EXPERIENCE

Head of Web Operations at Sensors'21,  
NIT, Trichy - Oct 2021

## EXPERIENCE

### NAVITI | SOFTWARE ENGINEERING INTERN

Sept 2020 - April 2021 | New Delhi, IN

- Developed a device monitoring system from which 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 windows machine 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.

### OFFICE OF INTERNATIONAL RELATIONS, NIT, TRICHY | WEB

Sep 2020 - May 2021

- 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

### 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.

### VIDEO MEETUP | A VIDEO CONFERENCING WEB APPLICATION

Aug 2021 | <https://github.com/tanweeralii/video-Meetup>

- Built a web application that makes it easy to meet people with **video conferencing**.
- Whenever a new user visits, it creates a unique URL which actually represents a room, users can share the link with friends, at one time **maximum 2 people** can enter one room at one time
- Features included live chat.
- Used **Node.js** as backend web application with **PeerJS** and **Socket.io** for video calling.

### 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** Database Support.
- In context of cloud backup, added support for **AWS S3**.