

# Nasirulla Rehman

2nd Year CSA Undergraduate COER University

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GitHub Profile

LinkedIn Profile

## EDUCATION

### COER UNIVERSITY ROORKEE

BCA | CGPA 9.0

2024-2027

## SKILLS

### PROGRAMMING LANGUAGES

- C++ • Python • Java
- Javascript
- Typescript
- SQL

### FRONTEND

- HTML • CSS • React.js

### BACKEND

- Node.js • Express.js • Next.js

### DATABASE

- MongoDB • MySQL • PostgreSQL • Prisma • Drizzle

### LIBRARIES

- OpenCV • Tkinter • Numpy
- Pandas • Matplotlib

### DEV TOOLS

- Git • Github •

### CLOUD PLATFORMS

- AWS

### OPERATING SYSTEMS

- Windows • Linux • MacOS

## COURSEWORK

Operating System  
Database Management System  
Data Structures and Algorithms  
Object Oriented Programming  
Computer Network

## CODING PROFILES

Leetcode: Nasirulla

HackerRank: @rehmannasirulla1

## PROJECTS

### ELITE CODERS ONLINE JUDGE | GITHUB LINK

HTML, CSS, Javascript, MongoDB, Reactjs, Expressjs, Nodejs, Docker

- Built an Online judge that remote runs code securely and judges if the given code is **correct/ wrong / inefficient**.
- This web-based application enables users to write, compile, and execute code in the C, C++, and Python languages.
- Implemented back-end using **Nodejs and Expressjs**.
- Added user authentication and authorisation using **JWT Tokens**.
- Built an interactive and responsive UI using **Reactjs + CSS**.
- Used **MongoDB Atlas** as database to store user information, code snippets, problems, and test cases.
- Explored **Docker containerization and Sandboxing** techniques to ensure code compilation and execution is a secure and isolated environment.
- Implemented features of **Leaderboard, user submission history and problem tags**.
- Planning to deploy it in production on **AWS Cloud** using **Gunicorn** and **Nginx** such that a single server can handle a load upto 500 users with Horizontal Scaling.
- The Online Judge web application is built as an attempt to support the initiatives of our college programming club to conduct internal contests for our juniors.

### DROWSINESS DETECTOR | GITHUB LINK

Python, OpenCV, Dlib, Numpy

- Built a **face-detecting system** from which we can connect a camera and the camera will recognize whether the eyes of the person are open or closed and will give an alarm according to the situation
- Calculated the ratio of eyes using the **56-point face detection landmark**
- Used **OpenCV** for detection and python libraries **Dlib and Numpy** for processing.

## POSITIONS OF RESPONSIBILITY

### VOLLEYBALL CLUB COORDINATOR

Coordinator of Volleyball Club, IIT Patna which went to **quarter-finals in Inter-IIT Sports Meet 2022**.

Lead a team of 12 students, ensured smooth & efficient conduct of the team in the National Level tournament.

### MPR COORDINATOR

- Coordinator of **Media and Public Relations** of IIT Patna's largest Fest - "ANWESHA".
- Managed a team of fellow sophomores and managed to gather a footfall of **45000** in the fest

### NSS VOLUNTEERING

- **Social work** under NSS like teaching poor children and cleanliness movements

## ACHIEVEMENTS

Year	Rank	Contest/Exam
2023	<b>Goldmedalist</b>	INFINITO Sports Fest
2022	<b>Quarterfinalist</b> in Volleyball	55th Inter-IIT Sports Meet
2020	All India Rank <b>1977/ 1.5Lac+</b>	JEE Advanced 2020
2020	All India Rank <b>2700/ 1 million</b>	JEE Main 2020