

# Dhruvil Kakadiya

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## EXPERIENCE

- **Hackerrank** Oct 2023 - Present  
*Problem Setter Intern* Remote
  - Created **20+ algorithmic problems** utilized in online assessments by various companies.
  - Providing a detailed solution for the interviewer with clean C++ sample code.
  - Tested **30+ algorithmic problems** in Python and C++. This involved thorough examination and evaluation to ensure the reliability, efficiency, and accuracy of the solutions.
- **TLE Eliminators** Oct 2023 - Present  
*Algorithms Teaching Assistant* Remote
  - Assisted students at various levels of the course by resolving **more than 50** algorithmic doubts.
  - Provided detailed explanations for problem solutions through written explanations and online meetings
  - Designed and organized algorithmic contests made for student engagement and learning.
  - Conducted thorough testing of contest problems to ensure their suitability and challenge level.
- **Coding Ninjas** May 2023 - Present  
*Problem Setter Intern* Remote
  - Developed **80+ algorithmic problems** featured in nationwide contests, engaging participation from over 5,000 individuals across India.
  - Provided optimal solutions with multiple approaches for each problem, accompanied by clean C++ code samples and thorough time and space complexity analysis.

## EDUCATION

- **Nirma University, Ahmedabad** 2021 - 2025  
*Bachelor of Technology in Computer Science and Engineering* 7.9 CGPA

## ACHIEVEMENTS

- Qualified for **ICPC Asia-West Continent Finals** after achieving **15th rank** in the Kanpur regional.
- Secured **All India Rank 1** in a total of **4 rounds** in Codeforces and CodeChef. ([Link](#))
- **Meta Hackercup 2023**: Secured global rank 867 out of 23,000+ participants. ([Certificate](#))
- **International Master - Codeforces (Max. Rating: 2347)**: Ranked 14th out of 50,000+ participants. ([Profile](#))
- **5 Star Rated Programmer - CodeChef**: Ranked in the top 400 among 2,00,000+ users. ([Profile](#))

## PERSONAL PROJECTS

- **Lockouts | Link**  
*A web application for the competitive programming duel*
  - Users can play a friendly competitive programming duel with **more than 8,000 algorithmic problems**.
  - Submit their solution in **more than 20 programming languages** and get a result based on their solution.
  - Created a server that can handle around 50 duels at a time.
  - Technology: Reactjs, MongoDB, Expressjs, Nodejs, Socket.io, Superagent, ChakraUI
- **TheForces | Link | Source Code**  
*A web application of TheForces programming community*
  - TheForces: Competitive programming community with **over 1800+ active users**.
  - A tool to **calculate ratings for TheForces contests** using the same algorithm as Codeforces.
  - Users can **read 150+ algorithmic problems of 20+ contests authored by 30+ authors**.
  - Technology: Reactjs, Node.js, Express.js, REST-API, MUI

## TECHNICAL SKILLS

**Languages** : Proficient in C/C++, Python, Javascript, and Typescript.

**Web Dev Tools** : Expressjs, Nodejs, Git, Github

**Frameworks** : Reactjs, MUI, Nextjs, Redux

**Databases** : MongoDB, Relational Database(mysql)

**Relevant Coursework** : Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Computer Networks.

## POSITIONS OF RESPONSIBILITY

- **Club President** CodeAdda Programming Club Nov 2023 - Present
  - Organizing algorithmic contests for students at Nirma University.
  - Teaching various algorithms for competitive programming to **over 500 students** at Nirma University.