

# Prakhar Kochar

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## EDUCATION

### IIIT NAGPUR

#### B.TECH IN COMPUTER SCIENCE

2019-2023\*

CGPA - 9.4 / 10.0

### DR. VSEC, KANPUR

#### INTERMEDIATE 2019

Percentage - 96.7

### DR. VSEC, KANPUR

#### MARTICULATION 2017

Percentage - 97.0

## LINKS

### PROFILES

- Github: @prakhar
- LinkedIn: @prakhar

### PROGRAMMING

- Codechef: @prakhar
- Codeforces: @prakhar

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Application Programming

Multivariable Calculus

Operating Systems

## SKILLS

### PROGRAMMING

C • C++ • Python • JAVA •  $\LaTeX$

### WEB TECHNOLOGIES

HTML • CSS • JS • Jekyll •

Bootstrap4

### LIBRARIES AND API'S

Numpy • tweepy • tabletop.js

Nodejs

### OTHERS

Adobe Illustrator • Arduino IDE

## INTEREST

Competitive Coding

Web Development

AR/VR Development

## EXPERIENCE

### IIITIANS NETWORK | FRONTEND WEB DEVELOPER

May 2020 - Present

- Part of IIITians Network Organization
- Leading design and deployment of Coding-club web page using Bootstrap4 and jekyll.

### CODECHEF | CAMPUS REPRESENTATIVE

June 2020 - Present

- Started a Codechef Campus Chapter under the guidance of Dotslash Community which aims at providing best coding culture on campus
- Hosted a programming contest at institution level
- Problem Setter of a contest, link to the contest can be found [here](#)

## PROJECTS

### TWITTER BOT | PYTHON DEVELOPMENT

- Created a twitter bot using tweepy api's
- Implemented using Python Programming Language using concepts of file-handling and queue data structure
- A retweet is sent to the sender after data manipulation and recognition

### PORTFOLIO GENERATOR | JS DEVELOPMENT

- Implemented mad libs to generate portfolio
- A google form collects all necessary data and stores it in the database
- tabletop.js library is used to collect the data and place it in the frontend template.

### MISCELLANEOUS PROJECTS

- Voice Control IOT Home Automation using Google Assistant
- Made Security Alert System using LDR and BC-547 transistor to build a laser detecting device which sends an electric pulse and rings the alarm. Role of transistor as a switch (BJT)
- Line follower robot using Arduino board and other hardware
- Developed minesweeper game implemented using JAVA Programming

## ACHIEVEMENTS

- Secured global rank 187 in **January Cookoff 2020, Codechef**
- 4 star on codechef (**1841 rating**)
- Specialist in codeforces (**1410 rating**)
- Secured **3323rd** rank in Google Kickstart Round B
- Secured **3rd** rank in freshman codding in college
- Qualified National Engineering Olympiad 3.0