

# Mihir Sakaria

sakaria.1@iitj.ac.in | +91-7023450264

## EDUCATION

### IIT JODHPUR

B.TECH IN COMPUTER SCIENCE AND  
ENGINEERING

Expected- May 2022 |  
Jodhpur, Rajasthan, India  
CGPA-7.64

### PRAGATI SENIOR SECONDORY SCHOOL KOTA

HIGHER SECONDORY EDUCATION  
May 2018 | Kota, Rajasthan  
Class XII boards - 96.2

### ATOMIC ENERGY CENTRAL SCHOOL KAKRAPAR

May 2016 | Kakrapar, Gujarat  
Class X CGPA- 10/10

## LINKS

Github:// [mihirsakaria](#)  
LinkedIn:// [mihir-sakaria](#)  
Codechef:// [mihir\\_89](#)  
Hackerrank:// [sakaria\\_mihir](#)

## COURSEWORK

- Data Structures and Algorithms
- Object Oriented Analysis and Design
- Theory of Computation
- Software Engineering
- Digital logics and Design
- Signals and Sytems
- C Programming • Discrete Mathematics
- Linear Algebra and Calculus

## SKILLS

### PROGRAMMING

Proficient  
• C/C++  
Familiar  
• Python • HTML

### WEB

- Javascript
- ReactJs
- HTML

## PROJECTS

### ARROW DETECTION USING DEEP LEARNING | B.TECH PROJECT

February 2020 - Present | Mentor: Dr. Sumit Kalra

- Application for detecting arrows in a flowchart
- Involved creating a new data set of arrows and flowcharts
- Using Keras API and tensorflow, Deeplearning model is trained using the data set created in order to detect new arrows
- Technologies Involved: Python, Keras API, Tensorflow

### STARTUP SERVICE PROVIDER | OBJECT ORIENTED ANALYSIS AND DESIGN COURSE PROJECT 2019

July 2019 - August 2020

- A portal for Startups and Companies, Freelancers, Mentors, Advertisers to collaborate and work together
- Additional Features using python scripts
- Technologies involved : C++, Python

### EDGE DETECTION OF OBJECTS FOURIER TRANSFORM BASED EDGE DETECTION OF REAL OBJECTS

July 2019 - October 2019

- An application working on basis of Fourier Transform, used for detecting edge of objects
- Further using this application using CNN to train a deep-learning model to predict what an unknown object can be

## ACHIEVEMENTS

**JEE ADVANCED 2018** | AIR 2817

**JEE MAINS 2018** | AIR-3129

**CERTIFICATE OF MERIT FROM CBSE**

**INTERNATIONAL MATHEMATICS OLYMPIAD 2015**

REGIONAL RANK 1

**NATIONAL CYBER OLYMPIAD 2015** | REGIONAL RANK 3

**NATIONAL SCIENCE OLYMPIAD 2014** | REGIONAL RANK 1

## POSITIONS OF RESPONSIBILITY

**CORE MEMBER** CAREER DEVELOPMENT CELL IIT JODHPUR

Handled Company officials during placement season 2019

**STUDENT GUIDE** STUDENT COUNSELLING SERVICE

Assisted and guided students during their problems and grievances

**VICE CAPTAIN** BOOK CLUB IIT JODHPUR

Built the club from scratch and established a successful new club in campus

**TEAM MEMBER** INTER IIT BASKETBALL TEAM

Reached Quaterfinals