

# Harshita Kalani

Sophomore | Computer Science & Engineering | IIT Jodhpur  
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## EDUCATION

### IIT JODHPUR

B.TECH IN COMPUTER SCIENCE

CUMULATIVE CGPA: 8.8/10

May 2022 | Jodhpur, India

### MGPS, JAIPUR

CLASS 12 | HSC | MARKS: 95.2%

CLASS 10 | SSC | MARKS: 95.8%

## SKILLS

### LANGUAGES

PROFICIENT

Python • C++ • C

HTML • CSS

FAMILIER

MySQL • JavaScript • latex

### DEVELOPMENT

Django • Flutter • Google Cloud

Git • FireBase

### OTHER SKILLS

Competitive Programming

Full Stack Web Development

App Development

Public Speaking

Webinar Hosting

## LINKS

Portfolio:// [HarshitaKalani](#)

Github:// [HarshitaKalani](#)

LinkedIn:// [HarshitaKalani](#)

CodeChef:// [HarshitaKalani](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Pattern Recognition & Machine

Learning

Probability, Statistics & Stochastic

Processes

Software Engineering

Signals and Systems

Mathematics for Computing

### MOOC

Flutter and Dart-The Complete Guide

Full Stack App and Web Development

Django Developer Course

## EXPERIENCE

### PW (PHYSICS WALLAH) | MENTORSHIP | 2021 | JAIPUR

Played the role of a student guide guiding the next generation JEE aspirants about the opportunities related to their career and the path they can go for.

## PROJECTS

### QUIZON: QUIZ CONDUCTING PLATFORM | UNDER THE GUIDANCE OF DR. SOMITRA KUMAR SANADHYA | DECEMBER 2021 - ONGOING |

- Innovation of a user-friendly web platform for efficient conduction of quizzes catering to all possible requirements in online mode of education.
- Separate student teacher interface, latex integration, efficient quiz conduction, detailed post-quiz analysis, etc.
- Tech-Stack: Django, Rest- API, HTML, CSS, Javascript.

### OCR APPLICATION | HMI COURSE PROJECT | APRIL 2022 |

- Implementation of a way of extracting text from images using OCR and convert it to .txt, .mp3, .csv format, all integrated in a mobile application .
- Easy upload from gallery camera, crop image, one tap text extraction.
- Tech-Stack: Flutter, Dart, Google ML Kit, Google Text to Speech, Firebase, Firestore, Google Cloud Storage, Imgur API

### COVID 19 DETECTION USING CHEST X-RAY | UNDER THE GUIDANCE OF DR. RICHA SINGH | APRIL 2022 | [Dataset](#) | [Website](#) |

- Trained DL and ML models like VGG-19, EfficientNet B3, ResNET-50, etc. followed by an EDA in order to detect covid-19 infection using chest X-Rays after doing Lung Segmentation using U-NET applying PCA for dimension reduction, etc.
- Deployment of a website representing the real life application of the model.
- Tech-Stack: Python, OpenCV2, Keras, Pandas, NumPy, Matplotlib

### LIBRARY MANAGEMENT SYSTEM | UNDER THE GUIDANCE OF PROF. SUMAN KUNDU | MARCH 2022 |

- Prototyped a mobile application fulfilling all the library necessities at IIT Jodhpur.
- Ideated a way to mark presence using barcode scanner, easy query reporting through whatsapp integration, smooth procedure to request return book, etc.
- Tech-Stack: Flutter, Dart, Firebase, Firestore, Imgur API

## ACHIEVEMENTS AND ACTIVITIES

One among the only 6 students to receive **A (Outstanding)** out of 220+ students in **Data Structures and Algorithms** course .

Secured **Rank 4** in Machine learning course among batch of 240 students.

**CodeChef** : Highest rating of 1698 (3 star) and Division-2 Programmer

**JEE-ADV 2020** : AIR 5588 | **JEE-Main 2020** : 99.4%ile .

## EXTRACURRICULAR

**Content Head** of newsletter club & core member of Music Society, IITJ.

Assistant head-Tech Team, Prometeo'22 - the annual Technical and Entrepreneurial fest of IIT Jodhpur.

**Student Guide** , Student Well-being Committee, IIT Jodhpur.