

# Soumik Roy

Artificial Intelligence and Data Science | IIT Jodhpur  
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## EDUCATION

### IIT JODHPUR

B.TECH IN AI AND DATA SCIENCE  
Expected 2024 | Jodhpur, India  
CGPA : 7.76/10 (uptill semester IV)

### GVN - GLOBAL SCHOOL

CLASS 12 | CBSE  
March 2020 | Bhopal, MP  
Percentage: 95.4 %

### DELHI PUBLIC SCHOOL

CLASS 10 | CBSE  
March 2018 | Bhopal, MP  
Percentage: 91.2 %

## LINKS

Github :// [Soumik-Roy](#)  
LinkedIn :// [soumikroy20](#)  
Codeforces :// [100mik.roy](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms  
Pattern Recognition and Machine Learning  
Principles of Computer Systems 1 & 2  
(Alternates to:  
OS, Computer Networks, Computer Architecture)  
Maths for Computing  
Probability, Statistics and Stochastic processes

## SKILLS

### PROGRAMMING

- C • C++
- Python • Dart

### APP DEVELOPMENT

- Flutter
- Firebase

### WEB DEVELOPMENT

- HTML • CSS
- Javascript • Django

### OTHER SKILLS

- Machine Learning
- Git and Tools
- Video Editing

## EXPERIENCE

### DIMENSION-ED | APP DEVELOPMENT INTERN

Sept 2021 – Feb 2022 | Jodhpur, Rajasthan

- Worked with flutter on several UI-UX based app issues
- Integrated Signin-Login functionality, Firebase, Analytics and Notification system for the app
- Contributed work on a 3D based feature, Chem3d (previously chemAR) using three.js and some python libraries which allows user to look at any chemical molecule in 3d and AR.

## PROJECTS

### DEEPMOOD | RESEARCH PROJECT

ML, Data Collection and Analysis | Mentors: Dr Sumit Kalra, Dr Ankita Sharma

- Identification of Emotion and Mood State using keystrokes on smartphone
- Developed an Android Survey app for data collection from scratch
- Worked on Data collection, analysis and then with several ML models to get best mood predictors using data collected from the users.
- Presented the project as a co-author in Psychological Science and Well-Being Conference 2022, Singapore (online).

### VARCHAS'22 APP | Sports Fest App

Head of App Development | [Github Repo](#)

- Writing and reviewing code for a django backed flutter based mobile app.
- The app facilitates viewing match Schedules and fixtures, Real time score updates on Leaderboard and Login feature for Registered teams inorder to get their personal match schedules.

### COURSE PROJECTS

Python • Tensorflow • Flutter • ns3 • HTML • CSS • Django

- Fruits-360 ML Classifier and Mobile App | [Link](#)
- Routing Protocols Visualiser using NS-3
- Korporia - a Restaurant Management Website | [Link](#)

## ACHIEVEMENTS

- Qualified Internal Hackathon in Institute for **Smart India Hackathon 2022**
- **Presented Reasearch project** as a co-author in Psychological Science and Well-Being Conference 2022, Singapore (online).
- Qualified **JEE Advanced 2020 with AIR 3079** ranking among the top 0.3% among over 10 Lakh candidates

## POSITIONS OF RESPONSIBILITY

Mar 2022 - Apr 2022  
Nov 2021 - Present

Head of Web and App Development, **Varchas 22**, IITJ  
Student Guide at **Student Wellbeing Committee**, IITJ

## EXTRACURRICULARS

- **Core Member** at **DevUp Labs**, Open Source Organisation of IIT Jodhpur
- **Co-ordinator** at **FrameX**, Film and Cinematography society, IITJ