# Raghav Ranjan

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## EDUCATION

### IIT JODHPUR
Sophomore Year BTech in Electrical Engineering
Expected 2022 | Jodhpur,India
CGPA 7.01/10 (upto 3rd sem)

### B.D.B.K.S INTER COLLEGE ,FBG
Class 12 | BSEB
2017 | Bihar
Percentage: 78.8%

### S.R.S.V.M ,FBG
Class 10 | CBSE
2015 | Bihar
CGPA: 10

## LINKS

Github:// **raghavranjan005**
LinkedIn:// **raghav-ranjan-827837190**
Codechef://**raghav__005**

## COURSEWORK

### UNDERGRADUATE
Computer Programming
Linear Algebra and Calculus
Basic Electronics Engineering
Signals and Systems
Circuit Theory
Physics of Semiconductors and Devices
Digital Logic and Design*
Probability,Statistics and Random Processes*
*Ongoing Courses*

## SKILLS

### PROGRAMMING
Proficient
• C/C++
Familiar
• Python •JavaScript

### TECHNOLOGIES
• NodeJS • Django • HTML/CSS
• MATLAB • Keras

### OTHERS
•Adobe Premiere Pro •Adobe After Effects •Git

## PROJECTS

### SCIENTIFIC CHART READER | B.Tech Project
Mentor: Dr Anand Mishra | Open sourced, Github ⬈
- Platform to get complete information in tabular and Latex form from any digital image of Bar graph
- Uses **VGG16, VGG19, InceptionResNetV2** for distinguishing different types of Bar graphs
- uses **Pytesseract, OpenCV** and other image processing techniques to extract the data from graph
- Built a Web portal using **Django, HTML/CSS, JavaScript**

### TO DO LIST | Stackhack 1.0 Hackerearth Hackathon 2020
Deployed at, Todolist ⬈ | Open sourced, Github ⬈
- Web Portal based on MERN stack where one can make his Todo list and add tags like priority,date,status and update or delete them
- Uses **NodeJS, MongoDB**

### IMAGE TO CSV CONVERTER | Self Project
Open sourced, Github ⬈
- To extract data from Tabular Data Image and convert it to CSV file
- Uses **Pytesseract, OpenCV** and other image processing techniques to extract data

### SIGN LANGUAGE | Self Project
Open sourced, Github
- To detect the Sign language gestures and output the text accordingly
- Uses **Flex sensors** combinations to detect gestures

## ACHIEVEMENTS

- **4-start** badge, **Division 1** Programmer in Codechef

## POSITION OF RESPONSIBILITIES

### JOINT SECRETARY | Science and Technology Society, IITJ
Aug 2019 - May 2020

- Managing and Executing the daily activities of Student Science and Technology Society, IITJ and ensuring its smooth workflow
- Organised PROMETEO 2020 -IITJ's Annual Inter-College Technical Fest

### PR AND PUBLICITY MEDIA HEAD | Prometeo 2020
Jan 2020

- Head of Public Relation and Publicity and Media Team of PROMETEO'20 - IITJ's Annual Inter-College Technical Fest

## EXTRA-CURRICULAR

- Innovation Student Coordinator, IIC IIT Jodhpur
- Core Member - FRAME-X The video editing and Film making club of IIT Jodhpur