

Raghav Ranjan

<https://raghavranjan005.github.io>
ranjan.1@iitj.ac.in | +91-9199818372

EDUCATION

IIT JODHPUR

BTECH IN ELECTRICAL ENGINEERING
Expected 2022 | Jodhpur, India
CGPA: 7.26/10 (upto 6th 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](https://github.com/raghavranjan005)
LinkedIn:// [raghav-ranjan-827837190](https://www.linkedin.com/in/raghav-ranjan-827837190)
Codechef:// [raghav_005](https://www.codechef.com/raghav_005)

COURSEWORK

UNDERGRADUATE

Computer Programming
Linear Algebra and Calculus
Communication Systems
Signals and Systems
Contemporary Communication Systems
Digital Signal Processing
Speech Processing
Probability, Statistics and Random Processes
Differential Equations and Complex Analysis

SKILLS

LANGUAGES

- C • C++ (*proficient*) • Python
- Javascript

TECHNOLOGIES

- NodeJS • ReactJS • Django • Flutter
- React Native • HTML/CSS
- MATLAB • MongoDB • HTML/CSS
- Keras • Arduino

DATA SCIENCE

- CNN • Tensorflow • OpenCV

OTHERS

- Adobe Premiere Pro • Adobe After Effects

PROJECTS

ATRANZ: E-COMMERCE WEBAPP | FREELANCING PROJECT

April 2021 – May 2021 | Deployed at atranz.in

- Deployed an E-commerce WebApp using for AtranZ, a Patna based startup specialising in women clothings.
- Technologies used: **NodeJS**, **MongoDB**, **React.Js**, **express**, **EC2**, **S3**

SCIENTIFIC CHART READER | B.TECH PROJECT

Mentor: Dr Anand Mishra | Open sourced, [Github](#) | [Demo Video](#)

- A **Django** based Web Application to extract data in tabular as well as in Latex form from an image of a Bar graph for classification of different types of Bar graphs and uses **Pytesseract** for detection and extraction of texts
- Designed and implemented a set of algorithm aided by the image processing libraries of **OpenCV** to obtain the height of the bars

KWIZZ - FLUTTER QUIZ APP | SELF PROJECT

Open sourced, [Github](#) | [Demo Video](#)

- Developed an android Application for Quiz using **Flutter**.
- All basic functionality including Timer to allot fixed time for each question.

TO DO LIST | STACKHACK 1.0 HACKEREARTH HACKATHON 2020

Deployed at, [Todolist](#) | Open sourced, [Github](#)

- A Full stack Web Application where one can sign up and manage his task. One can add tags like priority, date, status and update or delete the task
- Technologies used: **NodeJS**, **MongoDB**, **Heroku**

CHAT APP | SELF PROJECT

Open sourced, [Github](#)

- A React Native Chat Android App. Used: **React Native**, **Firebase**,

SIGN LANGUAGE | SELF PROJECT

Open sourced, [Github](#)

- Uses **Flex sensors** combinations to detect gestures and convert it to text using **Arduino**.

ACHIEVEMENTS

- Rated **4-star** badge, **Division 1** Programmer in Codechef
- Placed among **1.1%** of 1.05 million JEE 2018 aspirants

POSITION OF RESPONSIBILITIES

JOINT SECRETARY | SCIENCE AND TECHNOLOGY SOCIETY, IITJ

- Managing and executing daily activities of Science and Technology Society, IITJ and ensuring smooth workflow.

PR AND PUBLICITY MEDIA HEAD | PROMETEO 2020

- Head of PR and Publicity Media team

EXTRA-CURRICULAR

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