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: **7.27/10** (*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**
LinkedIn:// **raghav-ranjan-827837190**
Codechef:// **raghav__005**

SKILLS

LANGUAGES
• C •C++ (*proficient*) • Python
• Javascript • Dart

TECHNOLOGIES
• NodeJS • ReactJS • Redux
• MongoDB • Django • Flutter
• HTML/CSS • MATLAB • Keras
• Arduino

OTHERS
• CNN • Tensorflow • OpenCV
•Adobe Premiere Pro
•Adobe After Effects

COURSEWORK

UNDERGRADUATE
Computer Programming
Computational Imaging
Digital Signal Processing
Speech Processing
Signals and Systems
Communication System
Contemporary Communication Systems
Probability,Statistics and Random
Processes
Differential Equations and Complex
Analysis

EXPERIENCE

SPEEDLABS | Tech Intern
June 2021 – July 2021
- Worked on EdTech E-Cart Module which has two Sides i.e. Admin and User Side. It has all functionality from creating to purchasing any course.
- Developed both **WebApp** as well as **Mobile app** for e-cart module.
- Technologies used : **ReactJS, Redux, NodeJS, Flutter**
- Recieved **Brainiac** and **Best Project Growth** reward in Tech Review Meet-II.

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
- Used **CNN** for classification of different types of Bar graphs and uses **Pytesseract** for detection and extraction of texts
- Designed and implemented a set of image processing algorithms aided by the image processing libraries of **OpenCV** to obtain the height of the bars

CARTOON HUB | Self Project
Open sourced, Github | Demo Video
- Developed a WebApp having youtube like features like upload, watch, like, comment,share and profile section and more using **MERN** stack.

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.

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
- Secured 1586th rank in Google Kick Start 2020 Round E
- Secured 1669th rank in ICPC Amritapuri 2020 Preliminary Round among 7224 participants.
- Placed among **1.1%** of 1.05 million JEE 2018 aspirants

POSITION OF RESPONSIBILITIES

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