Raghav Ranjan

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EDUCATION

IIT JODHPUR
BTech in Electrical Engineering
Expected 2022 | Jodhpur,India
CGPA: **7.4/10** (*upto 7th 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(familiar) • Javascript

TECHNOLOGIES
• NodeJS • ReactJS • Redux
• MongoDB • Django • Flutter
• HTML/CSS • MATLAB
• Keras • Arduino
• EC2 • S3 • MySQL

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 | Certificate ⬈
- Worked on Ed-Tech E-Cart Module which has two Sides i.e. Admin and User Side from scratch.It has all functionality from creating to purchasing any course.
- Developed both **WebApp** as well as **Mobile app** for e-cart module(frontend).
- Technologies used : ReactJS, Redux, NodeJS, Flutter
- Received **Brainiac** and **Best Project Growth** reward in Tech Review Meet.

GIFTIICON | Backend Developer Intern
Dec 2021 – March 2022 | Certificate ⬈
- Worked on filters, invoices, MIS, settlements, etc.
- Technologies used : NodeJS, pdfMake, MySQl, Sequelize,

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, Razorpay

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 video streaming WebApp for animated content using **MERN** stack.
- Personalized user account with feature to upload, like, share and comment.

TEXT AWARE JPEG COMPRESSION ALGORITHM | B.Tech Project
Mentor: Dr Anil Kumar Tiwari
- Developed a text-aware compression algorithm that preserves the textual data.
- Technologies used: **OpenCV, Pytesseract**

SIGN LANGUAGE | Self Project
Open sourced, Github ⬈
- Uses **Flex sensors** combinations to detect gestures and convert it to text using **Arduino**.

ACHIEVEMENTS
- Secured 1586th rank in Google Kick Start 2020 Round E
- Secured 1680th rank in ICPC Amritapuri 2020 Preliminary Round among 7224.
- 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.