

Raju Ranjan

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EDUCATION

NIT PATNA

B.TECH IN ELECTRONICS AND
COMMUNICATION ENGINEERING
Expected 2022 | Patna, India
GPA 8.45/10 (upto 5th sem)

B.D.B.K.S INTER COLLEGE ,FBG

CLASS 12 | BSEB
2017 | Bihar
Percentage: 69.9%

S.R.S.V.M ,FBG

CLASS 10 | CBSE
2015 | Bihar
CGPA: 10

LINKS

Github:// [rajutges](#)
LinkedIn:// [raju-ranjan-769839169](#)
Codechef:// [rajutges](#)
Hackerrank:// [rajutges](#)

COURSEWORK

UNDERGRADUATE

Computer Programming
Computer vision and its applications
Data Structures and Algorithms
Object Oriented Programming
Artificial Intelligence
VLSI Design
Information Theory and coding
Signal Systems
Communication Engineering
Linear Integrated circuits

SKILLS

PROGRAMMING

Proficient
• Python
Familiar
• C++ • C • java • Arduino • MATLAB

TECHNOLOGIES

• HTML/CSS • Bootstrap • Javascript
• NodeJS • express.js

OTHERS

• Adobe Photoshop

PROJECTS

SMART ATTENDANCE SYSTEM | SELF PROJECT

Open Sourced : [Github](#) | [Demo Video](#)

- An automated attendance system using Real-Time Face recognition using camera
- Used Python libraries like **face Recognition**, **OpenCV** and Deep learning and other image processing techniques.
- Returns the attendance report in form of **csv** file .

TABLE 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
- worked with a programmer on this

A SIMPLE VOTING MACHINE | SELF PROJECT

Open Sourced ; [Github](#)

- Designed a Simple Voting Machine using **FPGAs with Verilog HDL** and Vivado
- Uses **Zedboard**, **Xilinx vivado** and verilog language
- work in two mode (i) voting mode and (ii) Result mode
- Used for simple voting in which vote can be casted and give corresponding results

SMART STREET LIGHT MANAGEMENT | SIH INTERNAL HARDWARE

HACKATHON

NIT Patna | 2020

- Automatic Road Light Controller
- Designed using **Microcontroller**, **Sensors**, **Logic Gates**
- Automatic switch ON and OFF roadside lights depending on movement of vehicles

ACHIEVEMENTS

2020 |

- Secured **2nd Runner-up in all over India** in E-ROBO contest ,organised by IEEE, NIT Patna **Open Sourced ; [Github](#)**
- Have **6-star** badge on **Hackerrank** in problem solving section
- Have **5-star Gold** badge on **Hackerrank** in python

2019 |

- **Semi-finalist** (Team Name-Technobots ,Role-**Team Leader**) of Robowar competition ,tech fest'19 at NIT Patna among 10 teams.

2018 |

- Secured **2nd Runner-up among 20 teams** in SMDC Intra college competition organised by Robotics Club NIT Patna

EXTRA-CURRICULAR

- Participant of Inter branch Sport Fest (Kabaddi)
- Volunteered at SANKALP (A unit of NSS)