

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
Data Structures and Algorithms
Object Oriented Programming
Artificial Intelligence
Basic Electronics
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

OTHERS

• Adobe Photoshop

PROJECTS

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

TIC-TAC-TOE APP | SELF PROJECT

Open Sourced [Github](#)

- An Android App APK to play game TIC-TAC-TOE
- Designed using **Android Studio**, **Java**

SMART STREET LIGHT MANAGEMENT | SIH INTERNAL HARDWARE HACKATHON

NIT Patna | 2020

- Automatic Road Light Controller
- worked as **Team Leader**, a Team of 5 Members
- Designed using **Microcontroller**, **Sensors**, **Logic Gates**
- Automatic switch ON and OFF roadside lights depending on movement of vehicles

ACHIEVEMENTS

2020 |

- My Team Secured **2nd Runner-up in all over India** in E-ROBO contest, organised by IEEE, NIT Patna
- 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

WORKSHOPS/TRAININGS

2020 | Attended Workshop of Realtime System Design with IOT applications at NIT patna

- learned about use of different sensors and implemented it using Node Mcu.
- Implemented different mini projects as: (i)**Automatic irrigation system** using moisture sensors,microcontroller,relay,motor.(ii)**Automatic room light control** using sensors and arduino.

EXTRA-CURRICULAR

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