# Raju Ranjan

github.com/rajutges
rajur.ug18.ec@nitp.ac.in | +91-8290809294

## 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/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 ☑

•Secured Rank in **top 1 percent** in NPTEL Exam, in the course of **The joy of computing using python** among 5563 exam candidates.  Certificate ☑

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)