

# Rahul Saxena

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## EDUCATION

### IIIT BHUBANESWAR

**BTECH IN COMPUTER SCIENCE**  
May 2021 | Bhubaneswar, Odisha  
College of Engineering  
Cum. GPA: 7.92 / 10.00  
Data Structures Lab: 9.00/10.00  
OOPs Lab: 9.13/10.00  
Algorithms Lab: 9.41/10.00  
RDBMS Lab : 9.67/10.00

### LUCKNOW PUBLIC SCHOOL

Grad. May 2016 | Lucknow, India  
Percentage: 90.2%

### SACRED HEART SCHOOL

Grad. May 2014 | Obra, India  
Cumulative GPA: 10.0/10.0

## LINKS

Medium://  
[medium.com/@rahulsaxena.hindubale](https://medium.com/@rahulsaxena.hindubale)  
Github:// [github.com/hinduBale](https://github.com/hinduBale)  
LinkedIn:// [linkedin.com/in/saxena-rahul/](https://linkedin.com/in/saxena-rahul/)  
Codechef://  
[codechef.com/users/takamura\\_saan](https://codechef.com/users/takamura_saan)

## COURSEWORK

### COLLEGE

Data Structures and Algorithms  
Obj. Oriented Lang.(C++/JAVA)  
Data Base Management System  
Data and Web Mining

### SELF-TAUGHT

R Programming Language  
EDA and ML  
R Shiny Dashboards  
Networking Security

## SKILLS

### PROGRAMMING

Fluent:  
C++ • R • Core Java • Javascript  
Proficient:  
C • MySQL • HTML/CSS • Bash • VBS  
Familiar:  
Android

## VOLUNTEER

### COLLEGE

Co-founder and head of InfoSec society  
Head of "Papers We Love"  
Problem setter for college competitions

## EXPERIENCE

### IIT PATNA | SUMMER RESEARCH INTERN

May 2019 – July 2019 | Patna, Bihar

- Worked on developing an economical routing algorithm for Electric Vehicles considering variables such as battery status, traffic density, maximum speed, etc.
- Developed an understanding of simulation softwares such as MATSim and visualisation softwares like Via and created a successful demo.
- Understood scoring functions and heuristics, and coded a related research paper with altered parameters/determiners.

### CDAC AND ISEA | SECURITY AWARENESS SPEAKER

January 2018 - Present | IIIT Bhubaneswar

- Conducted several security workshops throughout the state of Odisha to spread awareness about cyber security.
- Prepared several like hacks, for example:
  - HID Attacks
  - WiFi Attacks
  - Phishing Attacks

## PROJECTS

### IIIT-BH ALUMNI WALL | EXPLORATORY DATA ANALYSIS USING R

Developed a web-app/dashboard using R Shiny to centralise and analyse all information regarding my college alumni. Scrapped the data from LinkedIn. Project is live at: [https://saxenism.shinyapps.io/IIIT-Bh\\_alumni\\_wall](https://saxenism.shinyapps.io/IIIT-Bh_alumni_wall)

### PEER TO PEER RECOMMENDER SYSTEM | DEEP LEARNING IN R

Developed a P2P Recommender System taking inspirations from multiple research papers for matching mentors with mentees.

### PORTFOLIO WEBSITE | REACT DEVELOPER

Developed and deployed a portfolio website using React framework along with HTML and CSS.

### CONSOLE CHAT APP | JAVA DEVELOPER

Built a console based chat application as part of our OOPs class project. Implemented all features of OOPs. Chat app includes features like one to one chat, group chat, login etc.

## TOOLS AND FRAMEWORKS

- Operating Systems
  - Windows
  - Santoku OS
  - Ubuntu
- Version Control
  - Git and GitHub
  - Heroku Toolbelt
- R Studio
- R Shiny
- ns-3.29
- Social Engineering Tools
- Wireshark/Burp Suite
- Android Reverse Engineering Tools