

# Rohit Ranjan

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## EDUCATION

### Indian Institute of Technology Kanpur, India

- B. Tech in Computer Science and Engineering
  - Cumulative GPA: 9.5/10.0

Jul 2018 – Present

### Krishna Public School, Patna, India

- Class XII
  - Percentage: 92%

Apr 2016 – Mar 2018

### Jawahar Navodaya Vidyalaya, Deoti, Saran

- Class X
  - Cumulative GPA: 10.0/10.0

Apr 2011 – Mar 2016

## AWARDS & SCHOLARSHIPS

- Academic Excellence Award at IIT Kanpur for outstanding academic performance  
For attaining a semester GPA of at least 9.55.

2018

- Samsung Star Scholar  
For students graduated from Jawahar Navodaya Vidyalaya performing well in IIT's.

May 2018

- Chess Tournament, First Prize, Jawahar Navodaya Vidyalaya, Nagaon  
Awarded at the National Level Meet held at Nagaon, Assam.

Aug 2015

- Indian Engineering Olympiad,  
One time Scholarship  
For securing AIR 1 in computer science and engineering stream in exam conducted 19th June 2019.

Jun 2019

## CAMPUS ACTIVITIES

### Udghosh, IIT Kanpur

- Senior Executive, Marketing
  - Marketing team of **Udghosh** bring sponsors for our annual sports festival.
  - Contacted various sponsors and convinced them to sponsor our college sports festival.

Aug 2019

- Senior Executive, Web
  - Assisted in smooth functioning of website, uploaded all statistics of match results during fest.
  - Helped in conduction of online computer based sports quiz during event **NOSSQ** in **Udghosh 2019**.
  - Built website and registration portal for **Udghosh** where almost 3000 users registered.

Aug 2019

## PROJECTS

### Summer Of Code, IIT Kanpur

- **One Rupee Application**  
Member of Backend team
  - It is an app developed for various NGO's in India and for peoples who are really wanted to help NGO's at their level.
  - Registered User can donate atleast **One Rupee** to NGO's that they wanted to help once in a month.
  - Backend system developed using django framework and Payment portal built using Paytm's api.
  - Assisted in building UI of app, pages of app built using react framework.

May 2018 – Jul 2018

### Association for Computing Activities, IIT Kanpur

- **P2P Video Conferencing Application**
  - Implemented Backend System using Python-Flask framework.
  - User Interface built using HTML, CSS, Javascript.
  - Registered User can communicate to other Registered user via video call or conference call.  
Communication System Implemented using Javascript Api WebRTC.

Feb 2018 – Apr 2018

**Science of Technology Council, IIT Kanpur**

▪ **Life@iitk**

May 2019 – Jul 2019

- It is an application for IITK students where students get notifications of recent upcoming events. Clubs of IITK can post their events that they're going to organise.
- App shows Map pinned location of live events as well as upcoming events.
- Helped in building of Backend system of this app using Django - Framework, build user section of application.
- Build Calendar and Map section of UI using React.

▪ **Algorithms in Depths**

May 2019 – Jul 2019

- Studied Graph algorithms(eg. Dijkstra, Prims, Krushkal..) as well as Traversal algorithms (eg. Breath First Search, Depth First Search) and implemented these in C++ .
- Explored and implemented KMP, Huffman Coding and Disjoint Set Union.

**RELEVANT  
COURSEWORK**

- Data Structure and Algorithms
- Computational Methods in Engineering
- Discrete Mathematics
- Linear Algebra
- Fundamentals of Computing

**TECHNICAL  
SKILLS**

▪ **Programming**

*Proficient:* C, C++, Python, Matlab

*Familiar:* Javascript, HTML,  $\LaTeX$

▪ **Utilities**

Git

▪ **Frameworks**

Django, Flask, React

▪ **Operating System**

Windows, Linux