

# Pankaj Kumar Agarwal

STUDENT SOFTWARE ENGINEER

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## Education

### Indian Institute of Technology Kharagpur

Kharagpur, WB

B.TECH + M.TECH (DUAL DEGREE) IN COMPUTER SCIENCE AND ENGINEERING, CGPA\*: 8.07/10.0

2018 - Present

## Skills

**Languages** Python, C

**Frameworks/Libraries** Django, Flask, JSON, NetworkX, requests, BeautifulSoup, pymongo

**Others** Git, Github, Linux (Ubuntu), OOP, JSON, API, HTML, CSS, MongoDB

## Relevant Coursework

### Computer Science

Programming and Data Structures, Algorithms 1, Discrete Structures, Formal Language and Automata Theory\*\*, Software Engineering\*\*, Switching Circuits\*\*

### Mathematics

Maths 1, Maths 2, Probability and Statistics\*\*

## Relevant Experience

### Lawbranian[link]

OPENSOF 2019 IIT KHARAGPUR

Feb 2019

- Processed a large number of raw txt data files into usable from.
- Processed huge amounts of JSON data files into directly usable from.
- Populate Graph for the Legal Knowledge Graph and store in neo4j graph database for further use.
- Wrote a bunch of Classes among the many used for nodes of the Legal Knowledge Graph and otherwise.
- Stored the required JSONs in a MongoDB.

### Kronos[link]

KHARAGPUR WINTER OF CODE

Dec. 2018

- Learned about APIs, JSONs, HTTP requests
- Learned python libraries to send HTTP requests and fetch data from apis, to handle JSONs, namely requests and json.
- Using the above mentioned technologies and hercules api added a feature which tells about which course was taught by which prof. in which semester.

## Scholastic Achievements

### JEE Advanced

Secured All India Rank of 423 amongst more than 2,00,000 students

### JEE Main

Secured All India Rank of 1382 amongst more than 1.1 million candidates

### BITSAT

Scored 361/450 in BITSAT, conducted by Birla Institute of Technology, Pilani

## Activities and Leadership

### KOSS IIT Kharagpur

Kharagpur, WB

CORE TEAM MEMBER

Feb 2019 - PRESENT

- Responsible for smooth conduct of events to familiarize students with opensource technologies and philosophy in the campus.

### NSS, IIT Kharagpur

Kharagpur, WB

MEMBER OF NSS UNIT-8

July 2018 - PRESENT

- Won Gold(among 15 units) during the annual camp hosted by NSS, IIT Kharagpur for our Generous and Hard work at the camp, which aims to improve the daily life of people in poor villages around the campus by helping them build roads, Toilets, etc. and Also conduct awareness programmes, surveys in the villages.

\*AT THE END OF 3 SEMESTERS

\*\*TO BE COMPLETED BY MAY 2020