

# Mukul Mehta

Sophomore @ Computer Science and Engineering, IIT Kharagpur

## EDUCATION

### IIT KHARAGPUR

B.TECH IN COMPUTER  
SCIENCE AND ENGINEERING  
CGPA: 8.83/10  
2018-2022 | West Bengal, India

## INTEREST AREAS

I'm intrigued by the idea of creating software and understanding how real world systems work.

I'm mainly interested in Backend engineering and designing systems and wish to explore Distributed Systems, Computer Networks and Information Retrieval.

## COURSEWORK

T - Theory | L - Laboratory

### COMPLETED

Programming & Data Structures (T/L)  
Discrete Structures (T)  
Algorithms-1 (T/L)

### ONGOING

Software Engineering (T/L)  
Formal Logic & Automata Theory (T)  
Switching Circuits & Logic Design (T/L)  
High Perf. Scientific Computing (T/L)  
Probability and Statistics (T)

### MOOCs

Deep Learning with PyTorch

## CONTACT & LINKS

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## PROJECTS

### RETROSPECTIVE ACCESS MANAGEMENT IN ONLINE ARCHIVES

UNDER PROF. MAINACK MONDAL

- Investigating the effectiveness of tools which enable users to retrospectively modify privacy settings (Social Media or Cloud Storage).
- Working on large-scale extraction of privacy settings & profile data from Twitter & Instagram to analyse patterns in privacy settings over time.

### IIT TECHNOLOGY AMBIT BACKEND DEVELOPER

Jun 2019 – March 2020

- IIT Technology Ambit is a tech magazine that covers innovation in tech across the IIT ecosystem, funded by the Dean, SRIC, IIT Kharagpur.
- Part of a team building a REST based backend from scratch including writing DB Models, API Endpoints and unit tests. Implemented using Flask-RESTPlus SQLAlchemy.

### OPEN SOURCE PROJECTS

- twViBot: Twitter Bot that downloads videos/GIFs from videos when mentioned.
- Memeland: Slack app to post top photos from Twitter and Reddit after uploading to Imgur.
- Litigator: Natural language search engine for legal cases and judgments based on a corpus of 60k legal documents.

## TECHNICAL SKILLS

Programming Languages  
Libraries / Frameworks  
Databases  
Systems / Platforms  
Web Technologies

C | C++ | Python | JavaScript  
Flask | Selenium | PyTorch | Snap.py  
SQLAlchemy | MySQL | Postgres | MongoDB  
Git | Linux | Docker | Nginx  
HTML+CSS | REST | BS4 | React.JS

## SCHOLASTIC ACHIEVEMENTS

- Aditya Birla Scholarship: Among the top 35 students in the country and the 4 from IIT KGP to be nominated for the interviews in 2018.
- JEE Advanced AIR 215: Under top 0.15% amongst more than 2,00,000 students

## ACTIVITIES & LEADERSHIP

- Executive, Kharagpur Open Source Society: Responsible for the smooth conduct of events to familiarize students with open source technologies and philosophy.
- Tech Team, Gymkhana IIT Kharagpur Part of a 4-member team that is responsible for maintaining backend, student's grievance portal etc, headed by the highest nominated technical position of the institute.