

# Mohit Kumar Singh

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## EDUCATION

### IIT KANPUR

BTECH IN CHEMICAL ENG.

Apr 2020 | Kanpur, India

Cum. GPA: 8.3/10

### INTERMEDIATE CBSE

Phy•Chem •Maths •Comp

May 2016 | DAV, Jamshedpur

Cum. GPA: 94.8%

## LINKS

Github:// MohitKS5

LinkedIn:// mohit-singh-iitk

Gmail:// mohitkumarsingh907

## SKILLS

### PROGRAMMING

Over 50,000 lines:

Node|Express • Postgres • ES6 • CSS

TypeScript • Angular 6+ • React

Over 10,000 lines:

Flutter • Dart • Golang • Firebase

Familiar:

Docker • MongoDB • SQL • Postgres

Utilities:

LaTeX • HTML/XML • Git

Tools:

Android Studio • Microsoft Azure • Emacs

## COURSES

ESC101 • Data Structure & Algorithms

Computer Organisation • Linear Algebra

Numerical Methods • Microeconomics

## ACHIEVEMENTS

### JEE ADVANCED'16

AIR 1964

Among 1.5 Lakhs top JEE Mains qualified aspirants from all over India.

### CODE.FUN.DO

Courseware, March'17

Successful submission of php based courseware.

### FORMULA STUDENT CAR

IITK Motorsports

Designed, built and drove Formula

Student car worth 3 Million

## PROJECTS

### CHOWKIDAAR-ELASTIC STACK WATCHER | NOBROKER INTERN

13 May 2019 - 30 May 2019

- Created a **MERN** application integrated with **elastic search** engine to calculate and **notify** inconsistencies in data as alerts on slack.
- Visualization** of realtime data using dynamically generated scripts for **Kibana**.
- Completely **dockerized development & production** configurations.

### LEAD CREATION MIRCROSERVICE | NOBROKER INTERN

20th June 2019 - 12th July 2019

- Created MERN application to smartly show a list of **recommended properties** based on **organic search** and recent **user-specific events**.
- On site Call** support and **scheduler** to connect customers and fix appointments.

### MERGE SORT AS FINITE STATE MODEL (FSM) | NOBROKER INTERN

1st June 2019 - 4th June 2019

- Task to **sort 15000 images** in least possible manual comparisons.
- Implemented merge sort as a **five state sequential model** governed by post requests between **UI & node server**.

### MARKET EXCHANGE API & ADMIN PORTAL | BITPARX (STARTUP)

May 2018

- Developed an application in **Golang** for bitcoin market based on binance.
- implemented **Websockets** for real time data endpoints such as market tickers.
- mail service** for mass mailing, email verification, advertisements and stuff.
- Frontend to the market api , featuring **real time tickers** , order, transactions.

### FINER EDGE | FLASH FREELANCE WEB DEVELOPER

Dec 2018

- Prepare a website for the finer Edge, **multinational** architectural company.
- Display Gallery of 800+ Pictures in an elegant way with slides and collages.
- Adhere to the demands of the client resulting in finalization with **mere 2 drafts**.

### CLASSENGAGE | FREELANCE WEB DEVELOPER

Oct 2019 - Jun 2020

- Developed a secure REST API in Go integrated with payments, email and sms promotions handling multiple-apps with interconnected data comprising of several databases.
- Prepared a Web UI for clients to manage their apps
- An admin portal with fully automated production flow. On new client: add database, establish connections to client ui and api, build apk and set up metrics for monitoring on single click.
- Used cutting edge technologies for production environment - ELK stack logging, cloudfront caching, FCM notifications and cloudwatch monitoring.

## POSITIONS OF RESPONSIBILITY

### ANTARAGNI'18 | HEAD, WEB

Expected Apr 2018 – Oct 2018 | Cultural Fest, IIT Kanpur

- Lead the designing of **8 websites** and **2 apps** from scratch featuring Antaragni.
- Registration and Payments for **8000 participants** from **300+ colleges** opting for 10 professional events and 70 competitions.
- Angular 6** framework with material UI, supported by firebase backend.
- Facebook integration for login and post sharing, written in **typescript**.

### TECHKRITI'18 & ANTARAGNI '17 | SENIOR WEB EXECUTIVE

May 2017 – Mar 2018 | IIT, Kanpur

- Full **MEAN** stack written in typescript. Frontend, Angular 2 with material.
- Dynamic** website with flexibility in design and content.
- Provided a flexible UI to update the contents of frontend in a **user-friendly** way.