

Mohit Kumar Singh

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EDUCATION

IIT KANPUR

BTECH IN CHEMICAL ENG.

Apr 2020 | Kanpur, India

Cum. GPA: 7.9/10

INTERMEDIATE CBSE

Phy•Chem •Maths •Comp

APR 2016 | DAV, Jamshedpur

Cum. GPA: 94.8%

MATRICULATION - CBSE BOARD

APR 2014 | SJDAV, CBSA

Cum. GPA: 10/10

LINKS

Github:// [MohitKS5](#)

LinkedIn:// [mohit-singh-iitk](#)

Gmail:// [mohitkumarsingh907](#)

SKILLS

PROGRAMMING

Over 50,000 lines:

Golang • Postgres • ES6 • CSS

TypeScript • Angular 6 • Material

Over 10,000 lines:

Flutter • Dart • Node|Express • Firebase

Familiar:

Docker • MongoDB • MySQL

Picking up:

Blockchains • Cryptography • Networks

OTHERS

Utilities:

LaTeX • HTML/XML • Git

Tools:

Android Studio • Microsoft Azure • Emacs

Undergrad Courses :

C++ • Matlab • Octave • Excel

ACHIEVEMENTS

JEE ADVANCED'16

AIR 1964

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

JEE MAINS

223/360

Secured place in top 0.1% of 1 Million+ candidates.

POSITIONS OF RESPONSIBILITY

ANTARAGNI'18 | HEAD, WEB

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

- Lead the team designing 8 websites and 2 apps featuring Antaragni.
- Designed campus ambassador portal with an online platform linked to social media by facebook Graph API for publicity of the fest.
- Registration and Payments for 8000 participants from 300+ colleges opting for 10+ professional events and 70+ competitions.
- Used angular 6 framework with material for modularity, animations and website optimization while Backend written in typescript with firebase.

TECHKRITI'18 | SENIOR WEB EXECUTIVE

Dec 2017 – Mar 2018 | IIT, Kanpur

- Ensured the promulgation of the fest through deployment and regular update of website and app.
- Optimized the website and ensured its accessibility to masses.

ANTARAGNI '17 | SENIOR WEB EXECUTIVE

Apr 2017 – Oct 2017 | IIT, Kanpur

- Backend written in typescript provided REST api with scalability in mind.
- Dynamic website with flexibility in design and content. Element's arrangement and display could be changed by a GUI.
- Provided a flexible UI to update the contents of frontend in a user-friendly way.

FSAE | WEB DEVELOPER & CHASSIS TEAM

Jan 2017 – Jan 2018 | IITK Motorsports

- Built a Web Application from scratch using Angular 4 as the framework.
- Implemented Firebase authentication, cloud storage and real-time databasing.
- Exposing the potential of team in a representative manner to lure the sponsors and car enthusiasts.

FREELANCE

FINER EDGE | WEB DEVELOPER

Dec 2018

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

PROJECTS

MARKET EXCHANGE API | GOLANG

May 2018

- Developed an Api in Golang for binance based market exchange.
- Websockets support for real time data endpoints such as market tickers.
- Rest Api for requests to the binance server anlevel based authentication system including access levels such as moderator, admin etc
- Mail server for mass mailing, email verifications, advertisements and stuff.

PROJECT LINKS

ANTARAGNI

Antaragni'17:// old.antaragni.in
Antaragni'17 App:// [Play Store](#)
Antaragni'18:// antaragni.in
Admin Portal:// backend.antaragni.in
Campus Ambassador:// ca.antaragni.in

TECHKRITI & FSAE

Techkriti:// techkriti.org
IITKMS:// sae@iitk

EXCHANGE MARKET

Admin Portal:// MohitKS5/Headquarters
Api:// MohitKS5/hindquarters

FREELANCE

Finer Edge:// fineredge.net

NON SCHOLASTIC

ACTIVITIES

FORMULA BHARAT COMPETITION

FSAE, India
15th position out of 80+ cars all over india
Prepared and participated in cost event

ROBOTRICKS

Takneek 2016 | Tech Competition
2nd Runner Up
Designed and fabricated a Robot that is capable of gripping and lifting objects.

DESIGN O' FLARE

Takneek 2016 | Tech Competition
Runner Up
Utilized DS Solidworks 2016 to develop an experimental apparatus. Points awarded for complexity, detail and resemblance.

COURSEWORK

INSTITUTE

Introduction to computing
Numerical Methods
Elements of Visual Design
Art Criticism
Introduction to Logic

OTHERS

Machine Learning by Andrew Ng
Spring Board UI/UX
Data Structures
(MIT open Course-ware)

ADMIN PORTAL, MARKET MANAGEMENT | ANGULAR 6

May 2018 | IIT Kanpur

- Frontend to the market api , featuring real time tickers , order, transactions.
- GUI for controlling local users their permissions , access levels etc.
- Credentials management
- Asset management. Net volume held in various servers candlesticks and other relevant graphical representations

ARES | ANTARAGNI'18 BACKEND

Mar 2018 – Oct 2018 | IIT Kanpur

- Use of firebase cloud functions, google cloud storage and cloud firestore for databasing and storage.
- Registration, Payments and database management integrated with townsript API for various events and competitions to be held during the fest and in various cities pre-fest.
- Facebook login and data fetching from graph API. Fetching posts from antaragni page and allow sharing on fb from the website.

APHRODITE | ANTARAGNI'18 FRONTEND

Mar 2018 – Oct 2018 | IIT Kanpur

- Provided a flexible frontend managed by a GUI interface in a user-friendly way. Implemented real-time editing using three-way binding of websockets and angular frameworks.
- Designed UI and interactive animations for various websites featuring the fest adhering to the theme.
- Click and go performance by optimized image imports in webpack format and server side rendering using angular universal along with extensive caching of service workers.

BABYLON | ANTARAGNI'18 ANDROID + IOS

Jun 2018 – Oct 2018 | IIT Kanpur

- Currently involved in building android cum iOS app for antaragni using flutter framework in dart.
- Employed Core app designs as listed in developer.android standards.
- Aimed to be launched by September with facebook Auth, TownSript payments and firebase databasing.

TECHKRITI'18 & ANTRAGNI'17 | WEBSITES + DATABASE

May 2017 – Mar 2018 | IIT Kanpur

- Implemented Full MEAN stack utilizing angular 4 and Express frameworks , MongoDB database and material design.

OTHER PROJECTS

CODE.FUN.DO | MICROSOFT

Mar 2017 | IIT Kanpur

- Designed a web app aimed to help college students choose and manage courses.
- Used Universal App Platform(Microsoft Azure)
- provided organized cloud space to store course content and relevant links just by a drag and drop.

FORMULA STUDENT CAR | IITK MOTORSPORTS

Jan 2017 – Jan 2018 | IIT Kanpur

- Designed, built and drove Formula Student car worth **3 Million**
- Significantly contributed in complete CAD design, analysis and frame manufacture.