

SARTHAK KHANDELWAL

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EDUCATION

- **Maharaja Surajmal Institute of Technology (GGSIPU) Delhi, India** B.Tech (Computer Science Engineering), August 2017 - June 2021 (expected) Percentage: 75.51%
Coursework: Data Structures, Design and Analysis of Algorithms, Mathematics, Object-Oriented Programming

WORK EXPERIENCE

- **Freelance Backend Engineer at [Zecide](#) March 2020.** Created a server for a finance based machine learning application to help people make informed investments based on current news, and prediction based on it. I was working as the solo backend developer using JavaScript to build the platform from scratch. Apart from the basic routes there were some really heavy machine learning models to be deployed on some of the routes and some real time routes to have predictions on real time data about how it is behaving.

- **Backend Engineer at [DoltTO](#) December 2019 - January 2020.** Created server for social media platform from scratch in NodeJs using MongoDB and ExpressJS. Made all the basic routes required for working of front end application and maintained its connectivity to the database server. Used Test Driven Development in order to maintain good test cases and low-error codebase. Developed Chat Modules for a chat between two users as well as group chat based on user priorities. Managed the database for the server to run faster and reducing the database redundancy.

- **Full Stack Web Developer at IOSD May 2019 - July 2020.** Created Full stack web projects in the organisation using MERN stack, developing a multi-user multi-level authentication system for their web portal for different types of users from the organisation heads to volunteers. Included video streaming service for uploading study material, email notification for upcoming events and all other basic routes like creating new users, updating information etc.

PROJECTS

- **Link Shortner with analytics:** Used MERN stack to develop a URL shortener service along with providing analytics for the shortened links.

- **Codeforces contest to Google Calendar:** Used NodeJS to create a script to add all upcoming codeforces contests on my google Calendar.

- **[Codeforces Contest to PDF](#):** Made a NodeJS script to download all the problem statements of a codeforces contest to a pdf using puppeteer to scrape the website to create the pdf.

- **JsAlgo(Feb 2020 - Present):** Used MERN stack to develop a website for Algorithms and some competitive programming in JavaScript.

- **Online Offline Judge(April 2019):** Made server for an online-offline judge to keep practising competitive programming without an active internet connection.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript(Proficient), C/C++(Proficient), Python, Shell Scripting
- **Framework/Libraries:** Flask, NodeJS
- **Data Science:** Google Chatbot
- **Databases:** MySQL, MongoDB

- **Servers:** NGINX
- **Message Systems:** RabbitMQ
- **Testing Libraries:** Chai and Mocha(JavaScript)
- **Continuous Integration/Development:** Travis CI
- **Frontend:** HTML5, CSS3, Bootstrap, JS, ReactJS, React Native

HONORS AND AWARDS

- Ranked **900** in **Google Kickstart** 2020 round F

PASSION

Problem Solving, ESports, Sketching