

WORK EXPERIENCE

Intern	Liquid Hub	Summer 2018
<ul style="list-style-type: none">• Worked on a geolocation and radius-searching application for the internal use of the company.• Built in Java using Spring Framework. Uses Google Maps API, Bootstrap framework and SQL Database.• Implemented a service that tracks the user's current location and suggest addresses for the location.• Designed a radius-searching service to find and track users within a radius.• Also worked on e-mail OTP verification system using JavaMail API.		

EDUCATION

BTech + MTech Integrated – CSE	JIIT, Noida	2016 – Current
<ul style="list-style-type: none">• Current GPA: 7.6• Courses include: Algorithms and Problem Solving Operating Systems Blockchain Technologies Database and Web Development.		

COURSE PROJECTS

- **Site Selection for Spatial Data:** Application of the Sensitivity Analysis Model to build a site selection system. Uses multivariate-regression, curve-fitting machine learning, DBSCAN and other data processing algorithms. Makes use of Google Maps API for geolocation and clustering. Built using python and JavaScript.
- **JC-62 Simulator:** Simulation of architectural workflow of the theoretical machine JC-62. Showcases step-by-step internal memory flow for custom algorithm of microinstructions and register sets. Built in Python and Tkinter framework.
- **Puzzle 8:** Artificial Intelligence for the famous Puzzle-8 game solver using A* Algorithm and Heaps. Implemented the data structures from scratch and designed a simple GUI for the game using OpenGL in C++ using OpenGL and GLUT frameworks.

ACCOMPLISHMENTS AND AWARDS

- **ACM ICPC Online Round India (2018 – 2019)** - *158/3282 National Rank.*
- Qualified for **ACM ICPC Amritapuri Regionals (2018 – 2019)**
- **RapidFire Converge, IIIT Sec 128 (2020) – 1st Position**
- **CodeFight Converge, IIIT Sec 128 (2020) – 2nd Position**
- **Procon Junior Online Round, IIIT Delhi (2018) - 34/695 Global Rank**
- **HackWithInfy 2020 Finalist – Top 100/2.5 Lakh Participants in India**
- **PROGRAMMING PLATFORM PROFILES :**
- Codeforces: Expert (**1886** max rating) – Handle: [iprakhhar22](https://codeforces.com/profile/iprakhhar22)
- CodeChef: 5 Star (**2091** max rating) – Handle: [iprakhhar22](https://www.codechef.com/users/iprakhhar22)
- StopStalk profile: **1000+** problems solved across different platforms- stopstalk.com/user/profile/iprakhhar22

LANGUAGES AND TECHNOLOGIES

- C/C++; Java; Python; JavaScript.
- HTML/CSS; SQL; Node.js; Bootstrap.
- Basic Machine Learning

OTHER INTERESTS

- **Film and Music Production:** Dada Saheb Phalke Award Winner. 2x CBSE Film Making Competition Winner.
- **Sports:** State Level Basketball Player; Track Sports Medallist.