

# Karan Agarwal

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*"I love to build things while paying great attention to aspects such as scalability, design patterns and maintainability."*

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## Education

- 2015–2019 **B.Tech**, *The LNM Institute of Information Technology*, Jaipur, *CPI – 8.85*.  
Computer Science and Engineering
- 2013–2015 **XII**, *St. Xaviers Sr. Sec. School*, Jaipur, *Agg –87.20*.
- 2008–2013 **X**, *St. Xaviers Sr. Sec. School*, Jaipur, *Agg –91.20*.

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## Projects

- 2017 **Dev Hunt**.  
Dev Hunt is a Profile Management solution for developers. Here the developers can log in and provide their details and recruiters can search for them by applying suitable filters.
- 2017 **Twitter Live Data Visualization**.  
The project uses Data Visualizations to create a world-map and the Twitter Streaming API to fetch tweets with their location. It then plots the tweets on the map according to their co-ordinates and the number of followers the user has.
- 2016 **Profile Mash**.  
Developed the Profile Mash where you can enter the links to one or more freelancing platforms and it creates a common profile which can be shown to the client. It solves the problem one faces while shifting to a different platform when all of his work was on the previous platform.
- 2016 **Responsive Website**.  
I made a landing page for an imaginary food delivery start up named Omnifood and learn some aspects of good designing along the way. This is a fully responsive website with which I learned the concepts of flat-UI designing, typography, color schemes, etc.
- 2016 **Comparison of Algorithms**.  
The efficiency of five algorithms was tested on a randomly generated data set. The number of comparisons required by each algorithm was counted against the size of the input array. Then a graph was plotted using GNU-Plot and Okular. Also, report and presentation were made using Latex.

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## Experience

- 2017 **Sub Coordinator**, *Cybroz*.  
Computer Science Club at The LNM Institute of Information Technology

- 2017 **Teaching Assistant**, *The LNM Institute of Information Technology*.  
Teaching Assistant for the Advanced Programming (Object Oriented Programming using Java) Course.
- 2016 **Open Source Developer**, *Mozilla Reps*.  
The Mozilla Reps program aims to empower and support volunteer Mozillians who want to become official representatives of Mozilla in their region/locale. I contributed to the front-end of the platform.
- 2016 **Teaching Assistant**, *The LNM Institute of Information Technology*.  
Teaching Assistant for the Computer Programming course.

## Awards

### **NTSE Scholarship.**

Selected in National Talent Search Examination (NTSE) and rewarded with the NTSE Scholarship.

### **Gold Medalist.**

Selected in Technothon (twice in a row securing AIR 28 and 35 in the years 2012 and 2013 respectively) conducted by IIT Guwahati and attended Techniche (The Annual Techno-Management Festival of IIT Guwahati) for the same.

### **Runner Up.**

Team member of Dougeldyne Astrosystems and Flechtel Constructors which participated in the 10th Annual Asian Regional Space Settlement Design Contest and bagged Runners-up position.

### **Honorable Mention.**

Team Member of Team Emphyrean and Team The Ether Explorer, both of which made projects for the Space Settlement Design Contest held by NASA Ames Research Center and bagged Honorable Mention from the same.

## Technical Skills

Languages	JavaScript, C
Backend	Node.js, Express.js, MongoDB
Frontend	React.js, Redux, Angular.js, D3.js ( for Data-Visualisations ), HTML, CSS
Tools	Gulp, Babel, WebPack, Git, Cheerio.js ( for Web-Scraping )
Platforms	Linux