Karan Agarwal

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

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*.

Projects

2017 **Helping Hands**, *Github Repo*.
Helping Hands provides a platform to all the social organisations who want to reach out to the public to present their work and to people who want to volunteer for a social cause.

2017 **Dev Hunt**, *Github Repo*.
Dev Hunt is a Profile Management solution for developers. Here the developers can log in and provide their details and recruiters can search for then by applying suitable filters.

2017 **Twitter Live Data Visualization**, *Github Repo*.
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**, *Github Repo*.
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**, *Github Repo*.
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 **Comparision of Algorithms**, *Github Repo*.
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.

Experience

2017	**Backend Developer Intern**, *VStv.io*.	
	Joined VStv as a Backend Developer Intern	
2017	**Sub Coordinator**, *Cybros*.	
	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 and Achievements

Merit.
Scored a CPI 9.80 in core CSE subjects.

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

Gold Medalist.
Selected in Technothlon (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 Empyrean 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 (ES6), C
Designing	HTML, CSS
Frontend	React.Js, Redux
Backend	Node.Js, Express.Js, MongoDB
Libraries	D3.Js (for Data-Visualizations), Sockets.io (for web-sockets), WebRTC(for P2P video streaming), Cheerio.Js (for Web-Scraping)
Tools	Gulp, Git
Platforms	Linux