

Aditya Ramesh

Portfolio: <https://rameshaditya.com/>

Personal Blog: <https://blogarithms.github.io>

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WORK EXPERIENCE

- **D. E. Shaw & Co.** Hyderabad, India
Software Engineering Intern *Summer 2019*
 - Received a summer internship offer with the technology division of D.E. Shaw India.
- **Cisco** Bengaluru, India
Software Engineering Intern *Summer 2018*
 - Interned with the Enterprise Networks Group of Cisco, and worked on WAAS - a product providing solutions for WAN Optimization.
 - Enhanced WAAS to support dynamic URL caching generated by CDNs of YouTube, Vimeo, Youku etc.
 - Increased WAAS' native video caching ability by a lower bound of 42% and an upper bound of over 95%.
 - All my code was reviewed, perfected and pushed to production.
- **Topcoder** *Summer 2018 - Present*
Algorithm Blogger
 - Topcoder enables clients like Amazon, NASA & IBM to crowdsource technical challenges to developers.
 - Topcoder is also famous in the niche of algorithmic contests, known for their annual Topcoder Open.
 - I blog and explain powerful algorithms used in international competitions - Google Code Jam, Facebook Hacker Cup, ACM ICPC etc.
- **Deloitte** Bengaluru, India
Software Development / Data Analytics Intern *Summer 2017*
 - Designed & implemented software that automated generation of basic code documentation given source code.
 - Analyzed industry verticals to identify potential & predicted new industrial trends by interpreting public data.

EDUCATION

- **Vellore Institute of Technology** Vellore, India
Bachelor of Technology in Computer Science; GPA: 9.34/10.0 *Summer 2016 – Summer 2020*
- **Coursework:** Algorithms; AI; Compilers; Databases; Data Mining; IoT; Image Processing; Networks; OS; Parallel Computing; Statistics;

ACHIEVEMENTS

- **ACM ICPC Asia-Chennai Onsite Provincials (2018)** : 2nd Runner Up from over 100 teams across the country
- **University Rover Challenge:** 19th team among 96 teams globally. 2nd team in India.
- **Codechef Snackdown (2018):** Qualified to 3rd Round internationally.
- **HackerRank, Codechef, Sphere Online Judge:** Globally rated on top 3 percentile on all three platforms.
- **Codechef Certified Data Structures & Algorithms Program (2018):** Cleared the advanced level of CCDSAP.
- **HackHarvard - Harvard University's Onsite International Hackathon (2017):** International Contestant.
- **ACM ICPC Round 1 (2017):** Honorable Mention.

PROJECTS

- **Code Faster (Sublime Text Plugin):** Plugin to scrape problems off a programming contest platform, and import it into the text editor for speed & convenience.
 - **Markov Chain Text Generation:** Built a Markov Model Bot trained on novels & tweeted generated text.
 - **Recommendation System:** Built a movie recommender system using collaborative filtering on public datasets.
 - **E-Maxx-Open Source Algorithm Translations:** Converted Russian explanations of algorithms to English, as Google Translate tends to misinterpret technical words.
 - **Other Projects:** Android+Web app to locate lost pets; Web WhatsApp Bot; Emotion Recognition; IoT Intruder Detection via Slack; XKCD Comics Slack Bot; Image to ASCII Art generation; etc;
- Find all source codes on my GitHub: [RameshAditya](#)

CLUBS AND CHAPTERS

- **Association for Computing Machinery:** Design algorithmic challenges for intracollege programming contests.
- **Creation Labs:** Developed autonomous traversal algorithms for a fully-functional student-built Mars Rover.