

L-Block, Men's Hostel,
VIT University, Vellore

ADITYA RAMESH

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EXPERIENCE

Algorithm Blogger	Algorithmic Memoirs	August 2017 - Present
<ul style="list-style-type: none">Currently host a blog "Algorithmic Memoirs" entirely devoted to the exploration of data structures and algorithms – rameshaditya.wordpress.comHosted and maintained with the intent of reinforcing my technical grasp of algorithms and data structures, spreading my insights and experiences, and connecting with like-minded experts, and groups.		
Software Engineering Intern	Deloitte	May 2017 - July 2017
<ul style="list-style-type: none">Interned in the Information Management/Analytics Division of the firm.Automated the process of writing program documentation of C/C++/Java code by designing an algorithm that applied constructive ranking heuristics to infer the importance of modules of the code and elaborated accordingly.Analyzed industry verticals to identify untapped potential in their fields, and estimated & predicted the feasibility of potential future industrial trends by interpreting insights from published data.		
Open Source Developer	Zulip	May 2017
<ul style="list-style-type: none">Zulip is an FOSS organization affiliated with Google's Summer of Code, whose product is a group chat system.Designed Django templates for Zulip's emails to its users which notified them of relevant or important updates or notifications, as part of a larger project of standardizing Zulip's look and feel.Pull Request available at - https://github.com/zulip/zulip/pull/4790		
Sport Programmer	Algorithmic Contest Platforms	November 2016 - Present
<ul style="list-style-type: none">Ranked at the top 3.06 percentile globally on HackerRank.Ranked at the top 3.45 percentile globally on CodeChef.Ranked at the top 3.58 percentile globally on Sphere Online Judge.Profile links and submissions - github.com/RameshAditya/Competitive-Programming		

EDUCATION

Tamil Nadu, IN	Vellore Institute of Technology	June 2016 – June 2020
<ul style="list-style-type: none">B. Tech. in Computer Science & Engineering, CGPA: 9.58 out of 10.0Coursework: Computer Architecture & Organization; Data Structures & Algorithms; Database Management Systems; Discrete Mathematics & Graph Theory; Human Computer Interaction; Image Processing; Operating Systems; Object Oriented Programming; Statistics;AISSE: 472 on 500 (June 2016); SSLC: 10.0 on 10 (June 2014);IIT-JEE Advanced: National Rank 14,576 from 1.2 million students. Top 1.2 %tile in Physics, Chemistry & MathNational Mathematics Talent Contest: Four time national finalist; Shortlisted for AMTI special training camp.		

PROJECTS

- Web WhatsApp Bot** (July 2017). Designed a bot that automated the process of greeting selected contacts with "Good Morning" messages over Web WhatsApp on a daily basis. Python, Selenium
- XOBot** (June 2017). Designed an AI that never loses in a game of Tic-Tac-Toe (Noughts and Crosses) that plays in a deterministic manner and uses a backtracking, depth-optimized minimax algorithm. C++
- Dynamic Hybrid Data Grid** (March 2017). Developed a data structure that facilitated realtime R/W of data into a grid, and brought average search complexity down from $O(n)$ to $O(\sqrt{n})$ by 2D maneuvering. C++

ADDITIONAL EXPERIENCE AND AWARDS

- National Programming Aptitude Test, 100/100**: Solved 8 out of 8 questions, in the NPAT conducted by ACM, hosted by NPTEL and sponsored by Google.
- Make-a-thon, The Blueprints Club, 1st Place**: Won the TBC Make-a-thon by pitching a business model & MVP to remould waste plastic obtained from campus trash bins and sell as LEGO alternatives.
- Media Club, PSBB Mirror, Chief Editor**: Was assigned the role of Chief Editor for my school's Media Club. Corresponded with a local printing press (Makkal Kural), & managed 40 students in a high-stress environment to print newspapers reporting the events of the school's Quadrennial Project.

Languages and Technologies

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| Advanced: C++; STL; C; | Intermediate: Python; MySQL; | Basic: Git; R; Django; Vim; |
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