

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

ADITYA RAMESH



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EXPERIENCE

Algorithm Blogger	Algorithmic Memoirs	August 2017 - Present
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- Currently host a blog "Algorithmic Memoirs" entirely devoted to the exploration of data structures and algorithms to interact and network with like-minded groups and experts.
Algorithmic Memoirs - www.rameshaditya.wordpress.com

Software Engineering Intern	Deloitte	May 2017 - July 2017
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- 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
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- 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
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- Ranked at the top 3.06 percentile globally on HackerRank.
- Ranked at the top 3.45 percentile globally on CodeChef. (4 Stars, Rating: 1880)
- 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
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- B. Tech. in Computer Science & Engineering, CGPA: 9.58 out of 10.0
- Coursework: Algorithms; Compilers; Computer Architecture; Databases; Discrete Math & 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 & Math
- National Mathematics Talent Contest: Four time national finalist; Shortlisted for AMTI special training camp.

PROJECTS

- PetPal (HackHarvard'17)** (October 2017). Android app that sends image, location credentials to Firebase database, and marks location on a world map, to ID locations of lost animal sightings. Android, Node.js, JavaScript, Firebase, HTML, CSS, Google Maps API (Marker Clustering + Reverse Geocoding), Google Cloud Platform
- Web WhatsApp Bot** (July 2017). Bot that automates the process of greeting selected contacts with "Good Morning" messages over Web WhatsApp on a daily basis. Python, Selenium
- Tic Tac Toe AI** (June 2017). 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). Data structure that facilitates real-time R/W of data into a grid, and brings 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 as Chief Editor for my school's Media Club. Corresponded with a printing press & managed 40 students in hi-stress environments & printed newspapers daily.

LANGUAGES AND TECHNOLOGIES

Advanced: C/C++ (STL); Intermediate: Python; HTML; Basic: Git; Django; MySQL; CSS; JavaScript