

Aseem Raj Baranwal

Final year CSE undergraduate, IIT Jodhpur

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Skills

Programming languages	Python, C, C++, JavaScript, PHP
Tools and Frameworks	AJAX, jQuery, LAMP, WebSockets, Python-Django, Node.js, Octave
Database systems	MySQL, MongoDB
Version control	Git, Mercurial

Achievements

April 2015	National team rank 22 in InCTF (Qualified for finals)
March 2015	National team rank 19 in Microsoft India CTF (Build The Shield).
Dec 2014	Qualified for ACM ICPC Asia Regionals at IIIT Gwalior.
March 2014	National team rank 15 in Microsoft India CTF (Hackcon).
Dec 2013	Qualified for ACM ICPC Asia Regionals at IIT Kharagpur.
Competitive Coding	Active on codeforces (rating: 1923) and codechef .

Projects and Experience

Summer Internship Built a lab tool for easy management of virtual machines used for various purposes across the developer teams.	May - July 2015 Microsoft India R&D
MIT Media Lab Created a web application for students where they can post one line feeds and stay aware of technical activities happening around them.	January 2015 Guide: Juliana Nazaré
Research Project Devised a linear time algorithm for computing a minimum distance total k-dominating set in interval graphs.	May - June 2014 Guide: Dr. Dinabandhu
Train Traffic Simulator Built on Python-Tkinter, implemented a self designed algorithm to schedule the arrival and departure of trains on the available platforms. Link	Sept 2014 Guide: Dr. Gaurav Harit
Code Judge Developed the web UI for a coding judge in python-django to fetch user submissions and deliver results and leaderboard. Link	May 2014
Other side projects and open source contributions at github.com/aseemraj	

Other Activities

- Participant at JS Conference 2012 at IHC New Delhi
- Attended KDE Conference 2013 at DA-IICT Gandhinagar.
- Occasional blogger, writing mostly about competitive coding.
- Coordinator, Programming Club IIT Jodhpur for the year 2013-2014.