Pulkit Goel

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Education

2007–08	**Secondary**, *National Public School Rajajinagar*, Bangalore, *93%*.
2009–10	**Senior Secondary**, *National Public School Rajajinagar*, Bangalore, *94.2%*.
2010–15	**Dual Degree B.Tech+MS by Research in Computer Science and Engineering**, *International Institute of Information Technology*, Hyderabad. CGPA on a scale of 10: *8.61*

Achievements

ACM ICPC 2014	Qualified for the ACM ICPC World Finals-2014. Was a member of team illusion which was ranked 1st in the 2013 Asia Kharagpur Onsite Regional, Online Regional as well as 1st in the Asia Amritapuri Onsite Regional.
ACM ICPC 2012	Was a member of team destiny which was selected for ACM ICPC 2012 onsite with 6th rank in India in the Amritapuri regionals online and 7th rank in the on-site (Amritapuri) out of 1000 teams.
ACM ICPC 2011	Was a member of the team Imperials which was selected for ACM ICPC regionals in the year 2011 and was ranked 6th in the onsite round at IIT Kanpur.
TopCoder	Topcoder Algorithm Coder of the Month for my performance in July 2012. (Handle: pulkitg10)
IOITC	Qualified for IOI(International Olympiad in Informatics) training camp in the year 2009 and 2010 (top 24 from India).
Codechef	12 wins in the Long Contest including three Top 3 finishes and several other top 10 finishes in the Indian Ranking(Handle: pulkit).
CodeSprint	Ranked 19th out of around 200 participants in CodeSprint 2011, 45th out of 1000 participants in CodeSprint 2012 and 38th out of 1100 in Codesprint 2013, held by Interviewstreet (Handle: hashinclude).
SPOJ	Ranked #297 world wide. Solved 101 problems. Handle: pulkit
TopCoder	Current Rating:1465 Highest Rating:1681 Handle: pulkitg10
Codeforces	Current Rating: 1833 Highest Rating: 1903 Handle: pulkitg10
AI Challenge	Ranked 13th in India out of 300 participants in the AI challenge by google.

Dean's List	Selected in the Dean's List for the year 2010-2011 and 2013-2014, for being in the top 15% of the batch.
NTSE	Selected in National Talent Search Examination with 21st rank in Karnataka State.

Projects

Distributed Tweet Clustering and Classification	Implemented a distributed tweet clustering and classification engine which takes a stream of tweets and clusters tweets based on its topic. It was implemented using Mahout/Hadoop(MapReduce). It uses a knowledge crawler to improve the clustering. Link to the project
Virtualization Orchestration Layer	Built a fabric that can coordinate the provisioning of compute resources by negotiating with a set of Hypervisors running across physical servers in a datacenter.
Search Engine	Built a search engine using 40GB of Wikipedia data which includes efficient indexing and ranking.
Hadoop	Implemented basic programs like kmeans and wordcount on hadoop.
Openflow	Used POX which allows the development of openflow controller for trying to optimize flow table transfer during VM migration.
Android Application	Developed an Android application to integrate with the Stepgreen website which detects the mode of motion of the user (walking/vehicle etc.) and appropriately changes the wallpaper and updates the website about what a user is doing. This project was done under the guidance of Dr. Jenniffer Mankoff from Carnegie Mellon University.
OpenGL	Made few games in openGL(a projectile game and a racing game) as part of projects.
Synchronized Playlist	Developing an application such that clients can connect to the server and add songs to a common playlist which plays on the server and also on all the clients connected to the server. Link to the project
Chrome Extension	Developed a chrome extension which displays facebook, gmail and other website notifications as they come in a common area for a hackathon in a team of 3. Link to the project

Work Experience

Teaching Assistant for C Programming Course for the monsoon of 2012.

Teaching Assistant for Cloud Computing Course for the monsoon of 2013.

Teaching Assistant for Information Retreival and Extraction for the spring of 2014.

Internship at Directi(Media.net) during the summer of 2013.

Skill Set

OS	GNU/Linux
Languages	C++, C, Java(moderate)
Scripting	Python, Bash
DBMS	MySQL

Environments	Vim, Eclipse
Web Tech.	HTML, web2py
Graphics	OpenGL
Cloud Tech.	Hadoop(basic), libvirt, POX

Non Academic Interests

Play the Keyboard and the Guitar and member of a band in college.