

Utkarsh Agarwal

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Dept. of Computer Science and Engineering
IIT Kanpur

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Educational Qualifications

Year	Degree	Institution	CPI/Percentage
2017(Expected)	Bachelor of Technology	Indian Institute of Technology, Kanpur	9.4/10
2013	AISSE(CBSE 12th)	DAV Public School, Kota	92.4
2011	AISSE(CBSE 10th)	Mayoor School, Ajmer	10/10

Scholastic Achievements

- Secured All India Rank (AIR) **132** (top 0.09%) in **IIT Joint Entrance Examination 2013** amongst **0.15 million** candidates
- Secured **99.87** percentile in **JEE Main 2013** amongst **1.4 million** students from all over India
- Selected to appear in **INJSO, 2010; INAO(Jr.), 2010** and **INChO, 2013** for being amongst the **top 300 in India**
- Selected for **NTSE Scholarship, 2009**: a prestigious scholarship funded by NCERT, Delhi

Professional Experience

- Summer Internship at Altisource Business Solutions Pvt. Ltd., Bengaluru (May'15 - Jul'15)
- Project CHEF**: To automate configuration management of the organisation
 - Attained automation of **custom installation** of various applications along with reporting any error or a major update
 - Automated inventory management with reporting of key parameters like IP address, CPU count, memory, storage, etc.
 - Accelerated the building, upgrading and repairing of infrastructure as well as achieved the upkeep of a **hundred node cluster**
- Project Graphite**: To report server parameters through graphs using Graphite
 - Scripted in Python to input data which involved data parsing and socket programming
 - Tested plotting of **large dynamic data** over internal network and achieved real time monitoring of a scalable infrastructure
 - Transformed** and **expedited** the **auditing process** in the organisation by monitoring crucial parameters through graphs

Project

- Scotland Yard Computer Game under Programming Club, IITK (May'14 - Jun'14)
 - Designed GUI of the game using Pygame library in Python and used Graph theory to link the map of the city with a graph
 - Implemented the AI using Minimax Algorithm and used socket programming to extend it to a **Multiplayer** Version over **LAN**

Relevant Courses

- Computer Science: Fundamentals of Computing, Data Structure and Algorithm, Computing Laboratory, Logic for Computer Science, Computer Organization, Operating System[#], Algorithms II[#], Theory of Computation[#]
- Others: Probability and Statistics, Discrete Math, Linear Algebra, Abstract Algebra, Basic Calculus (Ongoing: [#])

Technical Skills

- Programming Languages: Assembly, C, C++, Python
- OS: Linux, Windows
- Others: Bash scripting, Git, GNU Plot, Latex, Octave, Verilog
- Tools: CHEF, Graphite

Extra-Curricular Achievements

Programming	<ul style="list-style-type: none">Active participation in contests on Codeforces, Codechef and Spoj with 150 plus problems solvedRated expert on Codeforces with 1600 plus rating
Debating / Oration	<ul style="list-style-type: none">Stood first in Parliamentary Debate in Galaxy'14, an Intra IITK cultural festivalAdjudged Best Debater in School and participated in various Inter School Debate Competitions
Alumni Contact Program (ACP), IITK	<ul style="list-style-type: none">Mentored a team of six for contacting Alumni to foster a healthy relationship with themAdjudged an Executive caller for exhibiting commendable soft skills

Positions of Responsibility

Senior Executive, Public Relations, Antaragni (Mar'14 - Nov'14)	<ul style="list-style-type: none">Invited eminent personalities in the field of economics for Antaragni and looked after themConvinced NGOs to organise Antaragni Leadership Initiative (ALI) in major cities viz. Delhi and LucknowHelped in managing India Inspired, a panel discussion and ALI, a nationwide hunt for leaders
Academic Mentor (Jul'14 - Mar'15)	<ul style="list-style-type: none">Took hall level classes and did peer to peer mentoring for academically deficient students