Utkarsh Agarwal

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Educational Qualifications

Year	Degree	Institution	CPI/Percentage
2013-2017(Expected)	B.Tech, Computer Science and Engineering	Indian Institute of Technology, Kanpur	9.4/10*
2013	AISSCE(CBSE 12th)	DAV Public School, Kota	92.4
2011	AISSE(CBSE 10th)	Mayoor School, Ajmer	10/10

*At the end of the fourth semester

Scholastic Achievements

- Secured All India Rank (AIR) **132** (top 0.09%) in **IIT Joint Entrance Examination (JEE) 2013**

- Selected to appear in **INJSO, 2009; INJAO, 2009** and **INChO, 2012**: National Olympiads conducted by HBCSE, India for being amongst the **top 300 in India**.

- Amongst the **top 100** out of 1000 selected from all over India for **NTSE Scholarship, 2009**: a prestigious scholarship funded by NCERT, Delhi.

- Awarded a certificate for being the amongst the **top 1 percentile in India** in NSEP.

- Awarded Merit Certificate by CBSE for securing **10/10 CGPA** in 10th class.

Projects

- Scotland Yard Computer Game
  (Under Programming Club, IITK)   (May-June, 2014)

  - Designed GUI of the game using Pygame library in Python
  - Used Graph Theory to link the map of the city with a graph for use in AI
  - Wrote the AI of the game using Minimax Algorithm in Python
  - Used sockets library to extend it to a Multiplayer Version that can be played on LAN

- News Article Classifier
  (Under ACA, IITK)   (Jan-Feb 2014)

  - Used Beautiful Soup library in Python to extract news articles from websites
  - Used the Reuters Corpus for classification of words into different categories
  - Used the NLTK library to write a classifier that classified news articles on the basis of topics it was written upon i.e. Politics, Sports, Science, etc.

- CAM Hammer
  (As part of TA201: Manufacturing Processes)   (Aug-Nov 2014)

  - Awarded 2nd best Sectional Project
  - Building a miniature CAM Hammer using Cast Iron
  - Processes of welding, brazing, casting and sheet metal forming are being primarily used

Relevant Courses

Course	Course Name	Credits	Grade
2013-2014/I(first)			
ESC101	Fundamentals of Computing	14	B
MTH101	Real Analysis	11	B
PSY152	Introduction to Psychology	11	B
2013-2014/II(second)			
MTH102	Linear Algebra	11	B
PHY102	Introduction to Mechanics	11	B
TA101	Compulsory Engineering Graphics	9	B
2014-2015/I(first)			
CS210	Data Structure and Algorithms	12	B
CS201	Discrete Mathematics	9	B
ESC201	Introduction to Electronics	14	B

Technical Skills

- Programming Languages: C, C++,Python

- OS: Windows, Linux

- Other: Git, Latex

Extra-Curricular Achievements

- Programming

  - Active member of Programming Club, IITK
  - Enthusiastic Competitive Programmer

- English Literary Activities / Debating / Oration

  - Adjudged Best Debater in Middle and Senior Section in School
  - Represented School in various Inter School Debate Competitions
  - Stood 1st in Galaxy, an Intra IITK cultural fest

- Quiz

  - School Quiz Team Captain
  - Represented School in various Inter School Quiz Competitions

- Tennis

  - U-17 School Tennis Team Captain

- Member of Alumni Contact Program(ACP), IITK : A program aimed at improving Alumni Relations

Positions of Responsibility

- Senior Executive, Public Relations, Antaragni14

  - Invited eminent personalities for Antaragni
  - Helped in managing events and looked after the guests

- Academic Mentor

  - Academic Mentor of ESC101 to 1st year students