

Zafar Ahmed Ansari

Contact Education

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Programming languages/libraries

Core Java,
C/C++,
Basics of OpenCV, PHP,
Javascript

Operating Systems

Ubuntu 11.04-12.04,
Windows

Databases

MySQL, SQLite

IDEs

Eclipse, Netbeans

Others

Matlab R2011b, Octave

2011–2013	Master of Technology (M Tech)	Information and Communication Technology
	<i>Indian Institute of Technology Jodhpur, India</i>	
	CPI: 7.33/10.00 (upto prefinal year)	
2007–2011	Bachelor of Technology (B Tech)	Computer Science & Engineering
	IEC College of Engineering & Technology, Greater Noida	
	Aggregate: 74.8 %	
March 2006	Intermediate School	Science with Mathematics and Computer Science
	Dr Virendra Swarup Education Centre, Kanpur	
	Aggregate: 87.4 %	
March 2004	High School	Science with Mathematics and Computer Science
	Dr Virendra Swarup Education Centre, Kanpur	
	Aggregate: 89.9 %	

Experience

Dec. 2011	Innovation Lab, Tata Consultancy Services, Gurgaon	<i>Research Intern</i>
	Developed an application implementing Obstacle Avoidance on a Pioneer 3DX robot using Xbox 360 Kinect hardware.	
	http://home.iitj.ac.in/~zafar142003/projects/Kinect/demoKinect.html	

Projects

2012–2013	Gesture Recognition for Indian Sign Language	<i>IIT Jodhpur</i>
	Master's thesis	
	I designed a real-time gesture recognition system for the speech impaired using opensource libraries like OpenKinect, PCL and FLANN using Kinect camera. Its demo video can be seen at	
	http://home.iitj.ac.in/~zafar142003/projects/thesis/thesisvideos.html .	
2011	Force4 Magix	<i>IEC College of Engineering & Technology</i>
	B Tech major project	
	This is a 3D first-person-shooter game in Java 3D API. The game employs client-server architecture to provide a unique multiplayer experience when played on a network. It can be downloaded from (with source)	
	http://sourceforge.net/projects/force4magixgame/	
2012	Reminder and Notes System	<i>IIT Jodhpur</i>
	Independent project	
	This is a desktop application built in Java Swing to function as a daily reminder and notes service. It can be downloaded from (with source)	
	http://sourceforge.net/projects/calendar-notes/?source=directory	
2013	Plannerz	<i>IIT Jodhpur</i>
	Independent project	
	This Java and MySQL based system offers a multiuser timetable management and scheduling system. It can be downloaded from (with source)	
	http://sourceforge.net/projects/plannerz/	

Areas of Interest

Machine Learning, Computer Vision, Real-time Systems, Object-Oriented Programming.

Positions of Responsibility held

- Mentor' of the Programming Club, IIT Jodhpur in Fall semester, 2011.
- Teaching Assistant for the course 'Data Structures and Algorithms' for Spring semester, 2011 at IIT Jodhpur.
- Batch Representative in College in 2007-08.
- School Prefect in sessions 2002-03 and 2004-05.

Awards and Accolades

2004	Overall second rank Awarded for overall second (national level) rank in the final round in Vigyan Shastra Pratibha Khoj 2004 conducted by Vijnan Bharati.	Vigyan Shastra Pratibha Khoj
2005	All India Rank 60	7 th National Science Olympiad
2005	All India Rank 266	5 th National Cyber Olympiad
2006	100 % marks in Mathematics Felicited by the Government of Uttar Pradesh.	Class XII Board exams
2010	Was in the top 0.56% Was in the top 0.56 % of candidates in the English Verbal section of CAT-2010.	Combined Aptitude Test (CAT)-2010
2012	Second rank Second rank in the event 'Acoustic Unplugged' (a band contest) in the <i>inter-college</i> cult fest Taksh 2012 of IIT Jodhpur in which I was the rhythm guitarist and singer.	A music band contest at IIT Jodhpur
2012	Second rank Second position in the event 'Boni Scribendi' (creative writing) in 'Spandan 2012' held in IIT Jodhpur.	A creative writing contest at IIT Jodhpur

Won numerous other prizes in intra-college and inter-college competitions spanning areas like G.K., programming, debate, poster presentation, business proposal etc.

Hobbies

- Reading fiction, philosophy, sketching, singing, writing poetry, playing and composing songs on guitar, ideating, yoga, gaming.
- I am a Wikipedia contributor. My article on 'Background Subtraction' can be viewed at http://en.wikipedia.org/wiki/Background_subtraction.
- I am an open-source aficionado.
- I am fond of online education, especially at Coursera and Udacity.