

PRANAV ASHOK

PERSONAL INFORMATION

email pranavashok@gmail.com
website pranavashok.com

GOAL

To use science as a tool to study and understand the universe in its fullest sense and to apply the scientific method to solve problems which have a large reach.

EXPERIENCE

<i>Commvault Systems</i>	2013–2014	Associate Member of Technical Staff, COMMVAULT Worked on hardware based snapshot technologies for enterprise level Storage Area Networks.
	2012	Summer Intern, ARBITRON INDIA Worked on a Training Management System using JavaServer Faces 2.0, a web application framework.
<i>Arbitron</i>	2011	Chief Web Developer, TATHVA AND RAGAM Worked on three websites from scratch, which included the newest of developments of the time — CSS3 animations and HTML5 canvas as well as extensive use of jQuery.
<i>Technical/Cultural Fests of NIT Calicut</i>	2010	Wordpress Freelancer Work ranging from setting up Wordpress, a blogging platform, to customizing plugins and themes.

EDUCATION

<i>Masters</i>	Aug 2014 —	Chennai Mathematical Institute MSc in Computer Science · First Semester GPA: 8.0
	2009–2013	National Institute of Technology, Calicut B. Tech in Computer Science and Engineering · GPA: 7.62

COURSEWORK

<i>Ongoing</i>	Game Theory, Complexity Theory, Infinite Discrete Structures, Quantitative Automata Theory.
<i>Previous</i>	Algorithms, Mathematical Logic, Discrete Mathematics, Theory of Computation
<i>Electives during Bachelors</i>	Combinatorial Algorithms, Computational Intelligence, Advanced Topics in Algorithms, Quantum Computation, Web Programming, Introduction to Robotics

RECENT PROJECTS

<i>Final Year, Major Project</i>	2013	Music Composition using Probabilistic Analysis
	Technologies · Python 2.7, GIT Revision Control Description · Analyses one or more MIDI files and generates a Prediction Suffix Automata using which music on the same scales or Indian classical raagas may be generated.	
<i>Arbitron India</i>	2012	Training Management System
	Technologies · JavaEE, JavaServer Faces, Apache Tomcat Description · A system which helps users analyze training needs, track skills, request trainings and track related updates.	
<i>Personal</i>	2012	Torrent Merge
	Technologies · C, GIT, Linux Description · A tool to merge incomplete torrent downloads by comparing piece hashes.	
<i>Third Year, Mini Project</i>	2012	Hand Gesture Recognition
	Technologies · C++, OpenCV Description · An application which recognizes hand movements in a video stream and simulates keypresses – enabling to play games using movement gestures.	
<i>Additional Note</i>	The source-code for most of the projects I have done in public domain is available in my GitHub repository · Pranav Ashok (pranavashok) on GitHub	

WORKSHOPS ATTENDED

<i>December 2014</i>	Creative Mathematical Sciences Communication, IMSc Chennai
<i>January 2015</i>	Universalization of Good Quality Science Education, Pune

CAPABILITIES

<i>Advanced</i>	C, HTML/CSS, Adobe Photoshop, Linux
<i>Intermediate</i>	C++, PHP, SQL, PYTHON, JAVA, JAVASCRIPT, L ^A T _E X, Git Version Control System
<i>Basic</i>	Hardware, Networking

OTHER INFORMATION

<i>Vocational Interests</i>	Cognitive Sciences, Inter-disciplinary Sciences, Artificial Intelligence, Robotics, Human-Computer Interaction, System Programming, Image Processing, UI and UX Design, Web Development
<i>Other Interests</i>	Popularizing Science, Open Knowledge, Playing Violin, Automobiles, Exploring Places, Amateur Photography
<i>Activities</i>	Secretary · Computer Society of India, Student Chapter, NIT Calicut
	Head · Design Team 2011, NIT Calicut
	Member · Literary and Debating Club, NIT Calicut
	Member · Free and Open Source Software (FOSSCell), NIT Calicut
<i>Languages</i>	KONKANI (Mother tongue), ENGLISH (Fluent), MALAYALAM (Intermediate), HINDI (Intermediate)