

SAVIO MONTEIRO

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Academic Profile ...

- **M.S in Computer Science** (Intelligent Systems Track)
 - University: The University of Texas at Dallas.
 - Interesting Courses Studied:
Machine Learning, Multimedia Systems, Game Programming, A.I., Advanced Operating Systems, Algorithms and Real-Time Systems.
 - Expected Graduation: December 2009
 - Availability: Spring 2010 onwards (Full time).
- **B.E in Information Technology :**
 - University : University of Mumbai, Mumbai (Bombay), India.
 - Affiliated Institute : Don Bosco Institute of Technology, Mumbai, India.
 - Date of Graduation : May 2006
- **IIT GATE 2007: Ranked 780 (All India Rank)** for the IT paper February 2007.

Technical Cognizance ...

- **Programming**
 - **Programming/Scripting Languages**
 - C, C++, Java
 - Python, Ruby, Perl.
 - **Web Programming**
 - Client Side: HTML-4, HTML-5 (novice), CSS-2, Javascript, Java Applets, Flex and Flash/ActionScript 3.0.
 - Server Side: PHP, Java Servlets, JSP.
 - Other: XML, VoiceXML, AJAX.
 - **Unix Shell Scripting : BASH.**
- **Operating Systems comfortable with**
 - **GNU/Linux**
 - Ubuntu : v9.04, Debian & Red Hat Fedora Cores
 - Multimedia-based : Dyne:bolic, Geexbox, Agnula, UbuntuStudio, 64 Studio
 - **Microsoft Windows**
 - MS Windows XP Professional
- **Database Systems : MySQL, Oracle (Academic Work).**
- **Sound Manipulation Tools**
 - Audacity, Steinberg's Nuendo (novice), Rosegarden and Jack.
- **Animation/Graphics' Tools**
 - Blender (3D Modeler), The GIMP (Raster Graphics tool), Adobe Flash.
 - [Ogre3D](#): The 3D graphics engine used for programming games.
 - [DrQueue](#): Render Farm customization.

Work Experience ...

- **May 2009 till today:**
 - **Employers :** [Dr. \(Prof.\) Gopal Gupta \(ALPS lab\)](#) & Dr. (Prof.) Tamil ([QoLT lab](#))
 - **Title :** Research Assistant
 - **Location :** University Campus
 - **Job Description**
 - **QoLT lab:** Working on a live “Web-based Appointment with the Doctor” and “Telebed” modules of the QoLT project. Also working with another student on Security aspects like HIPPA and FIPS standards for health information.
- **September 2008 till May 2009:**
 - **Employers, Job Title and Location:** Same as above.
 - **Job Description**
 - **ALPS lab:** Mappings of data given by different states to the EPlan Database Schema
 - **QoLT lab:** Web and User Interface designer and developer for the health monitoring system at myhealthcheck.info.
- **October 2007 till August 2008:**
 - **Employer :** Dr. Gopal Gupta at the [ALPS lab](#).
 - **Title :** Student Worker
 - **Job Description**
 - Database mappings to the E-plan Schema.
 - User Tutorials using Adobe Captivate for [E-Plan](#), a U.S. Department of Homeland Security Project.
- **January 2007 to July 2007:**
 - **Employer :** Dr. Krishnamoorthy & Dr. Joag, Don Bosco Institute of Technology
 - **Location :** Mumbai, India
 - **Title :** Lecturer and Research Associate.
 - **Job Description**
 - Taught the course of Web Technologies and Applications (Semester 6).
 - Conducted Practical Sessions for the course of Multimedia Systems (Semester 8).
- **July 2006 to December 2006:**
 - **Employer and Location:** Same as above.
 - **Title :** RA-cum-TA
 - **Job Description**
 - **RA :** R&D for Project [CRAVE](#) and Project Colmation.
 - **TA :** Conducted Practical Sessions for C Programming & UNIX for First Yr students.

Projects Delved Into ...

- **Thesis (defense by Dec 2009) :** A voicexml browser software for a mobile phone. This browser/interpreter will be used with phone devices like Openmoko and HTC/Android.
- **Project QoLT :** Web-UI/Integration for a web-based online Health-Monitoring System.
- **Project MoCaGam :** A near-Realtime motion-captured (head) 3D game using an eye-tracker device. The game was developed using [NeoAxis](#). (demo [Video](#))
- **Project Colmation - College Automation System :** Automation of the Institute's Information System. PHP + AJAX + MySQL + Excel/XML.
- **Project [CRAVE](#) : CRAVE Research in Audio/Visual Engineering**
 - A project to revamp the current Multimedia lab at DBIT into a full-fledged production house using Open Source software only.
 - Implementation of a customized Render Farm service, DrQueue.
- **Project JASPachO - BE Project :** Our team developed an ASP interpreter to run with the Apache web-server as a module with Javascript as the primary Scripting Language for ASP.
- **Project festOrg (Festival Organizer) :** A JSP + MySQL festival organizer for DBIT Colosseum.

Other Projects and Workshops/Activities Conducted

- Participated in a team representing UTD for the *ACM ICPC Programming Competition* Regional Finals '07.
 - We stood 6th in the South Central Region.
- Conducted a ACM Workshop at DBIT for the PHP and MySQL duo in the final year of undergrad.
- Conducted a GNU/Linux workshop while a lecturer.
- AJAX-based chat client-server system
- Project VRoom : Assisted a final yr group project while an RA. The project delivered :
 - Web White Board
 - AJAX chat room
 - Voice Broadcast of a live lecture using Icecast for HTTP Streaming and Ices for OGG-encoding.
- Python coded personal contact information lookup system with an encoded file as a database.
- Top-coder logo-design competition participant.
- AJAX + PHP based Front-end for the Word-net English Dictionary (dict -d wn).
- DrQueue Source code customization for CRAVE : Edited and changed the source tesh script to bash script with easy scripts to also run the video rendering after animation sequence is rendered.
- [DUCS](#): Was a core group member.

Cultural Activities

- **Drummer:** Play the drums and sometimes a vocalist for the Rock band DriveEtch.
- **Singer:** Won several inter-collegiate English/Hindi Singing Competitions (solo and duet).
- **Basketball:** Member of the winning inter-collegiate basketball team of the Tournament at SPCE, Mumbai.
- **Sketching:** Sketch people and abstract visions for passing time. A sample of my sketches are available [here](#).