

EDUCATION

- 2009 – Present **Ph.D. Student**
Department of Computer Science and Engineering
University of Washington, Seattle, WA, USA
Advisor: Steve Seitz
- 2004 – 2008 **B. Tech. (Information and Communication Technology)**
Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT),
Gandhinagar, India
CPI (CGPA): 8.08/10
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SKILLS

- Proficient in C, C++, C#, Java and JavaScript
 - Familiar with .NET Framework, OpenGL, MySQL, LaTeX, CSS, ASP & JSP
 - Experience using Adobe Photoshop, Flash, Premier, Microsoft Silverlight, Blend and WPF
 - Development experience in Windows, Mac and Linux environments
 - A keen sense of aesthetics and design
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PROJECTS & RESEARCH

India Digital Heritage Project – *Mentors: P. Anandan and Joseph Joy (Microsoft Research)*
Primary designer and developer of a system that enables users to experience an interactive, immersive virtual tour of a famous South Indian Heritage site, built upon Photosynth and HDView technologies.

Digital Travelogues – *Mentor: Kentaro Toyama (Microsoft Research)*
Designed and developed a Rich Internet Application to author, display and share digital travelogues, capturing people's enthusiasm for travel and photo-sharing.

Shared Media Annotation – *Mentor: Joseph Joy (Microsoft Research)*
Created a tool that allowed users to remotely collaborate over the task of annotating a video. Participants could chat with their peers and alter each other's interpretation resulting in more accurate annotations.

A vision-based perceptual user-interface – *Mentor: Prof. Asim Banerjee (DA-IICT)*
Conceptualized and developed an HCI application to capture a user's hand movements and gestures via a webcam and transform them into cursor motion and actions on the computer screen.

Terra Mercuria, a visual representation of sound – *Mentor: Prof. Nitin Raje (DA-IICT)*
Implemented a music visualizer that rendered sound as a dynamic 3D terrain, the features of which change with the pitch, loudness and tempo of the music, giving the listener a birds-eye view of the song.

PUBLICATIONS AND PATENTS

Sankar, A., Prasad, A., Joy, J., Datha, N., and Manchepalli, A. 2009. Digital heritage. In *Proceedings of the 27th International Conference Extended Abstracts on Human Factors in Computing Systems* (Boston, MA, USA, April 04 - 09, 2009).

System and method for creating generalized interactive narratives, **A. Sankar, J. Joy, A. Prasad.** *US Patent filed, under review* (2009)

EXPERIENCE

Research Software Developer July 2008 – August 2009

Microsoft Research, Bangalore, India

Working in the Advanced Development and Prototyping team, contributing to the design and development of ongoing research projects at Microsoft Research India.

Research Intern Jan 2008 – July 2008

Microsoft Research, Bangalore, India

Research Intern with the Advanced Development and Prototyping Group, developing user interfaces and interaction models to facilitate collaboration over the Internet.

Research Intern May 2007 – July 2007

Microsoft Research, Bangalore, India

Research Intern with the Digital Geographics Group. Researched methods to effectively represent location tagged images in the form of a digital travelogue.

Student Intern May 2006 – June 2006

Air India, Mumbai, India

Worked in the Instruments Overhaul Division. Developed applications to aid in the testing of aircraft avionics and flight instruments.

Student Volunteer May 2005 – June 2005

Sahaj, an NGO for women's development, Gujarat, India

Collaborated to apply ICT solutions to the problems faced by the rural community in the Dahod district of Gujarat, India.

RELEVANT COURSES OF STUDY

- Computer Graphics
 - Digital Image Processing
 - Computer Algorithms
 - Operating Systems
 - Structured Programming
 - Science, Technology & Society
 - Computer Networks
 - Security Protocols
 - Object Oriented Programming
 - Computer Systems Organization
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PERSONAL ACHIEVEMENTS & HOBBIES

- Organizer – Microsoft Research India Puzzle Hunt 2008, Winner – 2007.
 - Meritorious in 'IQuzitive', an IQ challenge conducted by Anxa
 - Lead Designer for Synapse 2007, DA-IICT's annual college festival
 - Captain of the DA-IICT college basketball team
 - Stood 1st in Sanskriti School, in the Grade 12 All-India High-School Examinations
 - Selected as the Vice-Head Boy of Sanskriti School in 2004
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CONTACT INFORMATION

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Seattle WA 98105

References available on request.
