

Arti Chhajta

Mail: achhajta@stanford.edu

T: 650.391.6393

Web: <http://artichhajta.com>

Objective	<ul style="list-style-type: none">To pursue a Summer Internship in an organization that offers opportunities to get hands on experience in state-of-the-art technologies and products.
Areas of Interest	<ul style="list-style-type: none">Human Computer Interaction, Computer Vision, Database Systems.
Education	<ul style="list-style-type: none">Stanford University [2010 – 2012 (expected)] Masters in Computer Science Specialization: Human Computer InteractionIndian Institute of Information Technology [2005-2009] B.Tech (Hons.) – Information Technology GPA : 8.77/10.00
Academic Honors	<ul style="list-style-type: none">Obtained highest SGPI (10/10) in Final Semester (SGPI: Semester Grade Point Index).Ranked among top 2 students in 7th Semester with SGPI 9.33/10 and among top 5 students in 6th Semester with SGPI 9.05/10 in a class of 85 students.Among the shortlisted candidates for the final round of Google India Women in Engineering Awards – 2008.Certificate of Merit for securing the first position in Computer Science in high school.
Professional Experience	<ul style="list-style-type: none">Stanford Visualization Group, Stanford University <i>Research Assistant [Jan 2011 – March 2011]</i> The project required tagging of entities in different types of charts and then based on these features an automated classification of which category of charts they belonged to. The long-term goal is to be able to represent one form of chart (like bar chart) in other forms too such as pie, scatter etc. based on which one represents the data well. Project Guide: Prof. Jeffrey HeerCyLab, Carnegie Mellon University, Pittsburgh <i>Research Scholar [Sep 2009 – June 2010] and Short Term Scholar [Jan - July, 2009]</i> The project involved building a classification system based on soft biometrics like gender, facial hair and other attributes using Support Vector Machines. Various feature extraction algorithms were analyzed to increase the accuracy of the system. As a Project Lead, I was supervising three Masters students and few Undergrad students. Project Guide: Prof. Marios SavvidesOracle, Abu Dhabi [May - July, 2007] <i>Summer Intern</i> Basic database training in SQL and PL/SQL. Received immense exposure to the corporate culture.

Projects

- **Age – based face prediction [Jan – May 2008]**
A simple system was proposed to predict facial appearance at a particular age based on a set of training images of a subject (FG-NET Aging Database). The approach used Principle Component Analysis (PCA) to extract features and study the pattern of change in facial appearance.
Project Guide: Prof. U.S. Tiwary
- **Face Tracking in Color Videos [July – December 2008]**
Used face color detection and eye localization in video frames to track frontal and partially profile faces in color videos.
Project Guide: Prof: U.S. Tiwary
- **Cross- lingual Transliteration [July – Dec 2007]**
The project used rule – based approach for cross lingual transliteration (from Arabic to English) of proper nouns based on phonetic sounds. The project was a part of TDIL (Technology Development for Indian Languages) at IIIT – Allahabad, India.
Project Guide: Dr. Ratna Sanyal
- **Graphics – Basic Animations [Oct- Dec, 2006]**
The project involved exploring various functions in the OpenGL Graphics Library to convey a short story or scene through animations. The theme was to simulate a story woven around a fishing scene.
Project Guide: Prof. U.S. Tiwary
- **Conoscenza (Encyclopedia) [Aug- Dec 2005]**
The project involved building a website as a part of the communication skills lab that would be a rich source of general knowledge and information related to communication skills for students.
Project Guide: Dr. Anurika Vaish

Skill Set

- **Programming Languages:** C, C++, SQL, Haskell (in progress)
- **Web related knowledge:** HTML
- **Platforms Used:** Microsoft Windows (XP, Vista, Windows 7), Linux (Ubuntu)
- **Library Explored:** BGI (Turbo C++)
- **Software/Tools Used:** MATLAB, MS-Office, Smart Draw, Oracle 9i.

Extracurricular Activities

- Worked as the **President of Ushma** - The Dance Club, IIIT –A [2007] and Member of Virtuosi – The Music Club, IIITA [2006].
- Associated with a social initiative – **Prayaas**, that is engaged in imparting education to financially underprivileged children. Worked as the Documentation **Head of Pankhudi** (another social initiative involved in a similar task).
- Bronze Award Participant of The Duke of Edinburgh’s Award program.

Hobbies

- Dance, traveling and playing computer games.