

SOHAM SHAH

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Objective: Seeking an opportunity to make a significant contribution to the industry and gain practical exposure to real life problems through the position of Software Intern for Summer 2014.

EDUCATIONAL QUALIFICATIONS

University of California, San Diego
Masters in Computer Science and Engineering
GPA: 4.0 – Expected Graduation: 2015

Veermata Jijabai Technological Institute, Mumbai, India
Bachelor of Technology in Computer Engineering
GPA: 8.7/10

Bachelor Thesis: Heuristics of Greedy Approximation Algorithms

- ▶ The project is aimed at analyzing the Traveling Salesman Problem and the Edge Coloring Problem.
- ▶ We analyzed the approximation guarantee for various algorithms such as Double-Tree, Nearest Neighbor and Christophide's Algorithm and applied them to real life problems.

SKILL SET

- ▶ Persistent and Focused Problem-Solver
- ▶ Hardworking and Quick Learner
- ▶ **Programming Languages:** C, C++, Java, Objective-C, C#, MATLAB
- ▶ **Web Designing:** HTML, Java Script, jQuery, ASP .NET

RELEVANT COURSEWORK

Data Structures and Algorithms	Operating Systems	Network Security and Privacy
Data Mining	TCP/IP	Graduate Artificial Intelligence
Graduate Algorithms	Graduate Operating Systems Winter 2014	Graduate Machine Learning Winter 2014

CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES

- **Projects**
 - **University of California, San Diego : September, 2013**
 - **Easy Transit:** Participated in Microsoft AppHack to develop a WP8 Application to provide **Free, Offline** and **Real Time Updates** from MTS for buses. Uses GPS to locate closest bus stops and their bus routes to allow planning on the go.
 - **Hangman:** Developed an algorithm to play the Hangman game. It uses probabilistic modeling of words in the vocabulary to identify the most frequently occurring alphabet that matches the pattern.
 - **Veermata Jijabai Technological Institute, Mumbai : September, 2009 – June, 2013**
 - **CHAMELEON:** Implemented Hierarchical Clustering Algorithm using Dynamic Modeling.
 - **Movie Rental:** E-Commerce website to organize movies based on User preference and Top Purchases, to display dynamic content.
 - **Compiler in The Cloud:** Setup a Java Compiler on a remote server to enable programming on mobile devices such as tablets.
- **Pratigya – Tutoring Program: December, 2010 – December 2012**
 - An endeavor to help students from high school develop a finer understanding of science, engineering and technology.
- **Teaching Experience:** TA for CSE 150: Artificial Intelligence at UC San Diego, Winter 2014.

INTERNSHIP

Software Intern, Mobility Group, Tata Consultancy Services : May–July, 2012

- **Dynamic Sales Application:** A dynamic media gallery for the iPad, that can be used to browse through images, PDF and video files. It allows users to hide-unhide media items. Additionally, media can be downloaded on the go from the web service.
- **Cross-Platform Sales Catalogue:** An HTML5 based web application that parses product data from XML file and displays it for the user. It allows the user to customize his order and finally place it.