

## ABHINAY GHODEKAR

**Objective:** To secure a position in an organization that will enable me to utilize my strong educational background, organizational skills and ability to work well with people.

**Degree:** **Master of Science – Electrical Engineering** GPA – 3.85  
Aug 2008- Till date **University of Southern California** Los Angeles, USA

**Course:** **CSCI402 (Operating Systems) Fall-08**

**Projects:** 1. Kernel threads synchronization using Locks and Condition Variables on Nachos OS (C/C++)  
2. Implementation of System calls and multiprogramming on the Nachos operating system (C/C++)  
3. Implementation of Virtual MMU with TLB, IPT, Page Tables and Swap Files in Nachos (C/C++)  
4. Distributed operating System in Nachos using Remote Procedure Calls (C/C++)

**Course:** **EE450 (Computer Networks) Fall-08**

**Projects:** 1. Socket Programming – Implemented both TCP and UDP protocols (C)  
2. WIRESHARK (Ethereal) Labs – 2 labs involving DHCP & SSL Packet Analysis  
3. OPNET Labs – 3 labs involving analysis of CSMA/CD technology, RIP & OSPF Protocols

**Course:** **CSCI576 (Multimedia System Design) Spring-09**

**Projects:** 1. Video display and conversion from SD to HD given a video in raw rgb format  
2. DCT based coder-decoder with Image Compression  
3. Building and querying a Multimedia Database (Currently Working)

**Course:** **EE532 (Wireless Internet & Pervasive Computing) Spring- 09**

**Projects:** 1. 3G Cellular Video Telephony: current implementations and Future Deployment Strategies

**Course:** **CSCI570 (Analysis of Algorithms) Spring-09**

**Work Ex:** **Software Engineer - SAP BASIS Consultant.**

July 05 - May 08 **Bristlecone India Limited** Mumbai, India

**Project 1: Mahindra & Mahindra** (Implementation & support for client SAP systems) Aug 05–Dec 05

- Provide 24 hours support
- Support for clients SAP R/3 systems on versions 4.6B, 4.6C, and 4.7 and on varied platforms like Windows, UNIX, and LINUX.
- SRM and BW systems monitoring & maintenance.
- Database Administration using SAPDBA, Database Restoration.

**Project 2: SAP Labs** (Implementation & support for systems within SAP Labs) Dec 05–Sep 07

- JAVA Engine installations, Upgrade and maintenance.
- SAP R/3 system installations and Upgrades for internal SAP systems
- Change & Transport Management on SAP systems

**Project 3: Oracle/ Hyperion** (Implementation & Support for Hyperions SAP systems) Sep 07–May 08

- Installation and Maintenance of Sap's new releases and patches on Hyperion systems & providing support to their third party applications
- Providing compatibility check for new composition environment 7.1

**Degree:** **Bachelor of Engineering – Electronics & Telecommunication** Grade – First Class  
Aug 01 - May 05 **Sinhgad College of Engineering** Pune, India

**Courses:** Microprocessors & Microcontrollers, Digital Signal & Image Processing, Digital Electronics, Integrated circuits, Network Lines & Synthesis, Feedback control systems, Signals and Noise, Communication Systems.

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**Project** - Fingerprint Authentication using MATLAB as a tool (final year project)

**Seminar** - Minutiae Based Approach for Fingerprint Authentication (final year seminar)

**Computer languages:** C, C++, MATLAB, HTML, Perl

**Databases:** Oracle

**Operating Systems:** Windows, UNIX

**Extracurricular:**

- Represented Maharashtra state in Cricket. As College Cricket team captain won many honors for college.
- College sports secretary for three years from 2002-05.
- Participated and won many competitions in Soccer, Volleyball & Athletics.
- Member of Green Earth Society: a social group responsible for plantation drives in Pune city.

**Personal Webpage:** <http://www-scf.usc.edu/~ghodekar/>