

**Suraj H Chafle**  
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## EDUCATION

<b>2014 – Dec 2016</b>	Illinois Institute of Technology Pursuing Masters in Science in Computer Science	GPA: 3.0/4
<b>2009 - 2012</b>	College of Engineering Pune, Pune, India Bachelor of Technology in Electronics and Telecommunications Engineering	GPA: 7.70/10
<b>2006 - 2008</b>	Shivaji Science College, Nagpur, India Higher Secondary School Certificate Scored 92.67% in Board Exam and 195/200 in Engineering Entrance Exam	

## TECHNICAL SKILLS

Programming Languages: Python, Perl, Java, C++, C  
Web Development: HTML, CSS, Bootstrap, Javascript, MySQL, Django  
Automation: Shell, Batch, CMake

## PROJECTS

**Travelogue: A Django based web application for maintaining travel records** **June'2015**  
Designed the database, front-end, user-interaction etc. Also used facebook graph apis for logging in. Used google map apis for fetching lat-long data and also for showing map-based statistics.

**Thread Creation, Mutex and file System Management in xv6** **Dec'2015**  
Implemented a function to create threads in C for xv6 OS, a function to create Mutex, also implemented basic file management system using which file creation could be possible

**Job Scheduler in Python** **April'2015**  
Designed and implemented job scheduler algorithm to schedule multiple jobs if their start and end times are known, implemented command line interface for ease of use and created html based output to display schedules.

**Website for Multiplex** **Dec'2014**  
Designed and implemented a web application in Java and mysql, implemented front end in HTML, designed different level of authorization for users and administrators, also used imdb's API for fetching data for users

## PROFESSIONAL EXPERIENCE

**IMAGINATION TECHNOLOGIES, Pune, India** **Feb 2015 to Dec 2015**  
**Software Design Engineer**  
Updated an RPYC based test framework to support SOAP calls, made Django front end support SOAP calls, Designed and Implemented wrappers for testing various Video drivers with object oriented Python, Designed and implemented a C++ based test framework to test Video Test APIs.

**VISTEON TECHNICAL SUPPORT CENTER, Pune, India** **Jul 2014 to Jan 2015**  
**Staff Test Engineer**  
Developed a framework to automate download, flashing and testing of PSA X81 clusters in python, deployed the framework on Jenkins and was awarded the SPOT prize for this contribution.

**ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS, Bangalore, India** **Jun 2012 to Jun 2014**  
**Software Engineer**  
Automated building of Navigation SDKs using CMake and shell, Developed a tool to collect all the header files required for delivering the SDK, Automated testing of 3D Graphics based navigation display using Perl and Shell, built a tool to jump the marker across different locations, take screenshots and compare results for every release

## EXTRA-CURRICULAR ACTIVITIES

- Created an innovative prototype of hearing aid for disabled children using MATLAB
- Conducted seminars on Satellite Communication for School children as a part of IEEE's student awareness drive
- Secretary of HAM club, Writer (Hindi Section) in college magazine, member (Artist) in Arts and Crafts club, Participant in 81st Regatta at College of Engineering Pune
- School Topper in 10th Standard, Government Scholarship winner in seventh standard