**HIRAV PAREKH**

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# EDUCATION

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| --- | --- | --- | --- | --- |
| **College** | **University** | **Grad Date** | **Degree** | **GPA** |
| College of Engineering | University of Nevada Reno | Dec 2017 | M.S. in Computer Science | 3.67 |
| U. V. Patel College of Engg and Technology | Ganpat University | May-2012 | B.Tech in Mechatronics | 3.60 |

**WORK EXPERIENCE**



**Tata Consultancy Services |** Mumbai, India Dec 2012 – Jul 2015

***Software Engineer***

**Skills**: Java, Spring, Struts, JavaScript, Extjs, PL/SQL, Oracle 11g, Unix scripts, Google Charts, Highcharts

## Timesheet Discrepancy application for client (Saudi Telecom Company - STC)

Designed and developed this application to automate the process of detecting the discrepancy between the timesheet data corresponding to information on TCS internal website and another internal tool

## Defect Dashboard for STC

This application was built in order to show the defect rose in HP ALM software in a graphical format using interactive 3D pie and column charts

## Kaizen Report Automation for STC

This application was built in order to automate the process of providing Kaizen reports to STC. The application was highly appreciated by the client

## Action Item tracker for STC

This tool helps in capturing and displaying action items and other details of a meeting like minutes of Meeting (MOM). It is used to schedule a meeting and enter its details, assign action items to stakeholders and then track the status of these action items

**Department of Physics, UNR** Aug 2016 – Present

Working as a teaching assistant conducting lab sessions and grading test and quizzes

# TECHNICAL PROFICIENCY



**Technical Skills:** Java, JavaScript, Extjs, HTML, CSS, PLSQL, Struts, C/C++, UNIX, Google charts, Unity

# GRADUATE PROJECTS



## Redirected Teleportation Application Spring 2017

* The purpose of this research study is to evaluate the effectiveness of using teleportation in such a way that it redirects the user to the center of tracking space (of HTC Vive) in order to solve the locomotion problem in VR

**VR Trombone Application** Summer 2016

* Developed a VR trombone app which can be controlled with an earphone that acts like a trombone slider

## 3D Point Cloud Registration and Stitching using ToF camera pico flexx Sep 2015-Dec 2015

* + The project involved capturing 3D point clouds with Time-of-Flight camera pico flex and then aligning one pair of point clouds at a time. After the aligning is done all the pair of point clouds are stitched together to get a 3D model of objects in environment good enough for the drone to navigate in environment

**Augmented Reality application** Oct 2015-Dec 2015

* + Designed and built an Augmented Reality mobile app which can assist in playing a card game “Magic: The gathering” by not only identifying different cards and displaying information about them but also keeping a track of scores of both players, the status of the game and various other things.

# TRAININGS



* **Tata Consultancy Services Initial Learning Program** (Dec 2012-March 2013)

After joining TCS I attended a 3 month training program in which involved polishing our technical as well as our communication skills. I learned HTML, JavaScript, SQLite and Java during the training.

# ACHIEVEMENTS



**CATA 2017**

* My research paper on “Analysis of User Experience and Performance at Initial Exposure to Novel Keyboard Input Methods" is accepted for CATA 2017 to be presented in conference

**GECCO-2017**

* My research paper on “Procedural Level Design using an Interactive Cellular Automata Genetic Algorithm" is accepted as a poster paper in GECCO 2017 conference

**Zappos Code Challenge, UNR |** 1st place

* Participated in a coding challenge at UNR contest and won the first prize of Xbox One

**TATA CONSULTANCY SERVICES |** Star of the month

* Single handedly took the ownership of a complete application and even came up with new ideas for graphs for reporting purpose

**Sarvajanik College of Technology Technical Fest |** 2nd place

* Participated in a C programming contest and was the runners up among more than 200 participants

# EXTRA CURRICULAR ACTIVITIES



* Participated in Microsoft 2016 Hackathon (Best game category)
* Member of *College Placement Committee 2010-11.*
* Participated in Robotics Event in Convergence- a national level technical symposium at U.V Patel College Of Engineering for consecutive years 2009 2010 & 2011.
* Participated in Robotics Event at various national level colleges like IIT Powai, L.D College of Engineering, SCET etc.
* Participated in a workshop on PLC & SCADA held by Hindustan Mechatronics at G.H. PATEL college of engineering.
* Coordinator for various events in College Technical Festival – CONVERGENCE (2009/10/11)*.*
* Coordinator for various events in College Cultural Festival.
* Have participated in various plantation drives organized by *Tata Consultancy Services.*
* Part of *“Safety First”* initiative which aims at creating awareness about a person’s safety in the organization.