**Kshitija Karkar**

**Contact:** (530) 566 5476 | **Email:** [kshitijakarkar@gmail.com](mailto:kshitijakarkar@gmail.com) | **Website:** [**http://www.kshitijakarkar.com**](http://www.kshitijakarkar.com)

**GitHub:** <https://github.com/kshitijakarkar> | **LinkedIn:** <https://www.linkedin.com/in/kshitijakarkar>

**EDUCATION**

**M.S.** in Computer Science, California State University–Chico, California **GPA 3.81** **Aug 2014 – Dec 2016**

**B.E.** in Computer Engineering, University of Pune, Maharashtra, India **GPA 3.50** **Aug 2009 – Aug 2013**

**EXPERIENCE**

**SQL Developer Intern at Fusion Advertising, New York Feb 2017-Present**

* Developed database for Coupon System where vendors can add coupons on their products and users can access it
* Worked on Microsoft Azure and SSMS to develop and maintain database

**Intern at Distributed Learning Technologies (DLT), CSU Chico Jan 2016 – Dec 2016**

* Improved the data analyzing tool to predict the future resource requirements for more than 90000 users by writing efficient SQL queries in Oracle 11g and 12c, also generated reports using PowerBI
* Optimized the data fetch time from 47 seconds to 23 seconds for retrieval of 10000 rows of data
* Reduced the data and relation redundancy by reengineering ERD
* Implemented Version control using GitHub and project management tools like Trello and Slack

**Intern at Tata Consultancy Services, India**  **May 2014 – July 2014**

* Pinpointed the previously undiscovered flaws in existing project progress tracking tool which reduced progress tracking time by 25%
* Used Microsoft Server 2008 and Eclipse (Galileo) for developing the applications
* Transitioned the software development efforts to the test driven development process
* Consistently recognized for excellent problem solving and analytical skills

**Tutor at Student Learning Center (SLC) Aug 2015 – Dec 2016**

* Tutored Intermediate Math, GMATH and Computer Science to more than 100 students to help them succeed.
* Worked on Kurzweil software to convert books into listenable format for special student.

**PROJECTS**

**Predict Student Success Rate Using Naïve Bayes Aug 2016 - Dec 2016**

* Proficiently predicted student grades beforehand which helped students to analyze their own performance
* Analyzed the data of 10,000 students from two different disciplines: Math and Portugal to predict the final grades
* Achieved an accuracy of 85%

**Mozilla Open Source Project Jan 2016 - May 2016**

* Contributed significantly in Quality assurance of the Mozilla products by applying Unit Testing, A/B Testing and System Testing methodologies using python scripts
* Successfully resolved 2 documentation bugs and 3 core product bugs in C++
* Worked closely with the teams containing developers across the globe using IRC channels
* Reported 5 bugs on Bugzilla

**Book Tracking System for Accessibility Resource Center (ARC) Aug 2015 – Dec 2015**

* Automated the traditional data transaction logging system with more advanced and secured software solution
* Improved the efficiency by simplifying the data maintenance work

**SKILLS**

**Programming Languages:** C, C++, Java, SQL, PL/SQL, Python, JavaScript, .NET, Agile Methodologies, MySQL, CSS, JQuery, Bootstrap and HTML

**DBMS and Data Science:** Oracle 11g and 12c, SQL Data Developer and Modeler, MS PowerBI, RapidMiner, Visual Studio.

**Tools and IDE:** Cmake, ctest, Google test, Travis CI, Eclipse, NetBeans, Jenkins and Selenium

**Operating System:** Linux, Ubuntu, Windows and Mac

**ACHIEVEMENTS AND ACCOLADES**

* Research Paper “Predict Student Success Rate” got accepted at The American Association for Advancement of Science (AAAS) – 2017 Boston conference. Received an aid of $1100 from Graduate Studies, CSU Chico
* CSU Chico certified Master level teaching certificate
* Publicity head at Indian Student Association- Received “Best Event Award”, 2015 for cultural diversity event