**Kshitija Karkar**

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

**EXPERIENCE**

**Data Engineer at Self Financial Inc (formerly known as Self Lender), Austin, Texas July 2020 - Present**

* Design data model for our new product to perform risk assessments.
* Provide marketing analysis and create forecasting models to measure business growth and customer acquisition.
* Monitor and validate data accuracy and automate jobs on airflow.
* Monitor data pipelines and fix failures

**Software Engineer, Operations at Self Lender, Austin, Texas July 2017 – July 2020**

* Developing system using python to monitor and track working of recon engine and detect irregularities
* Developed python scripts to minimize manual interaction with database
* Perform the Unit, Integration and Regression Testing to ensure the integrity and accuracy of the existing system.
* Handling launching of promotional offers, new products, product duration and site traffic for each product.
* Efficient and optimize querying of product performance data to make business related decisions

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

* 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 databases.

**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
* Reduced the data and relation redundancy by reengineering ERD
* Implemented Version control using GitHub and project management tools like Trello and Slack

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

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

**EDUCATION**

**M.S.** in Computer Science, California State University–Chico, California **GPA 3.49** **Aug 2014 – Dec 2016**

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

**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 core product bugs in C++

**SKILLS**

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

**DBMS and Data Science:** Amazon Redshift, DataGrip, Tableau, Oracle 11g and 12c, SQL Data Developer and Modeler, RapidMiner, Visual Studio.

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

**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