SARGAM SHAH

(469) 664 - 4805 | sargamrshah@gmail.com | linkedin.com/in/sargamshah | github.com/in/sargam5360 | Irving, TX

LANGUAGES AND TECHNOLOGIES

- Languages: Python, Java, C/C++ C++; C; Java; SQL; JavaScript; XML;
- Web Technologies: HTML, CSS, JQuery, AngularJS, Bootstrap
- Data Analysis Tools: R, SQL, Tableau, MongoDB, numpy, pandas, d3.js, Excel
- Others: Git/GitHub, Android, Eclipse, Matlab

TECHNICAL EXPERIENCE

Identify fraud from Enron mail (Python)
- Built algorithm to identify fraudulent employees using machine learning techniques: Linear Regression, Clustering
- Engineered end-to-end process to investigate data, investigated outliers, validated results, communicated findings.
- Successfully recognized key culprits who let to the fraud by applying the machine learning algorithms.

Test a Perceptron Phenomenon (Statistical Test) (GitHub Link)
- Investigated a classic phenomenon of Stroop Effect, created a hypothesis after looking at the data.
- Designed and implemented statistical test to verify the model using t-test, probability and inferential statistics.
- Based on the t-test results, the hypothesis was rejected and common sense about human perception was validated.

Hospital Navigation System (MySQL, Java) (GitHub Link)
- Designed an interface where a patient can enter demographics to get hospital suggestions based on the disease.
- Developed complex SQL queries using group by, join, where clause to answer user question from the database.
- Implemented a ranking algorithm to rank the resulted hospitals from good to bad based on the ranking results.
- Demonstrated to the client (professor & class) the working model was successful and answered all the queries.

EMPLOYMENT

Data Analyst, Intern - National Life Group, Addison, Texas   Summer 2016
- Updated the data dictionary by creating 230 new terms and organizing existing terms. Created Tableau visuals.
- Worked closely with the Chief Data Officer to design strategies for Data Democratization 2020 Plan.
- Organized a cross-departmental event to create awareness about data quality and how to be a data steward.
- Earned ¾ ratings on performance throughout the internship and our intern team won the best project award.

Systems Engineer - Infosys Ltd.   Feb 2014 – May 2015
- Interacted with the team leads and software architects on a regular basis to gather and analyze requirements.
- Developed updates of the system using TIBCO technology and performed thorough documentation and testing.
- Monitored the system by performing daily tests, documenting and immediately reporting unusual behavior.
- Successfully carried out deployment of the code on two occasions enabling smooth function of the tool across customer base.

PHP Programmer/ Web Developer - Delfoo   Aug 2013 – Dec 2014
- Designed and maintained PHP framework to facilitate food delivery e-commerce within locality. www.delfoo.com
- Increased customer base to two new cities by adding the local restaurants (500+) by making the website accessible.
- Created module to generate real time reports of the sales, profits, most popular item filtered by week, time etc.
- Helped gather 75,000 Delfoo customers and delivered more than 60,000 dishes within six months.

EDUCATION

Udacity   June 2017- Present
Data Analyst Nanodegree [Portfolio Link: https://profiles.udacity.com/p/5451461877**]**
Descriptive Statistics, Exploratory Data Analysis, Data Wrangling, Inferential Statistics, Machine Learning

University of Texas at Arlington   Graduated Dec 2016
Masters in Computer Science (GPA 3.9/4.0)
Data Mining, Web Data Management, Healthcare Informatics, Decision making using Knowledge discovery, Software Testing, Software Engineering: Quality and Management, Software Metrics, Introduction to Algorithms.

University of Mumbai   Aug 2009 – May 2013
Bachelors in Computer Engineering (Distinction)