

## OBJECTIVE

Self-motivated, results-driven software engineer and technically sound MIS and Computer Science graduate. Experienced in Python programming. Keen to learn new language skills, tools and ability to adjust to demanding projects.

## TECHNICAL SKILLS

**Programming:** Python, C++, SQL

**Front-End:** HTML, CSS, Bootstrap, JavaScript

**Databases:** Microsoft SQL Server, NoSQL- PostgreSQL, Oracle 11g, Hadoop

**OS and Tools:** Windows 7/8/10, Linux (Ubuntu), Google App Engine, Jinja, MatLab, Django, Eclipse, Flask, Tensorflow

**Cloud and Visualization:** MS Azure, Google Cloud data store, OpenCV, Gephi, Tableau

## WORK EXPERIENCE

**Software Engineer**, Aspire Systems Inc., FL

**Sept 2016 – Present**

- Research requirement analysis, design, develop & implement codes to the testing environment.
- Collaborative work between the hardware, product and stake holders in determining the systems progress.
- Experience in using Python frameworks like Django.
- Created reports on the test cases in agile environment. Debug and do regression testing on the test cases.
- Developed unit tests and automated tests and preparation of technical documentation.
- Worked on retrieving, updating and manipulating healthcare data for data analysis and preparing test automation cases.

**Teaching Assistant/IT Student Analyst**, Texas Tech University-IT Division, Lubbock, TX

**Dec 2014- May 2016**

- Served as teaching aide for class of 40 students for Databases and business intelligence; graded and supervise examinations.
- Worked as technical analyst for IT Division by providing front line technical support to Staff, Faculty & students with daily closure of 15-20 tickets on priority basis.
- Troubleshoot Microsoft OS, Linux OS, MacOS, computer network and communication protocols including TCP/IP, UDP & HTTP.

**Process Expert**, Maersk, IN

**Feb 2014 – Jun 2014**

- Designed and created backend data access modules using PL/SQL stored procedures and Oracle.
- Assisted software development team with various SDLC stages in agile environment & documenting technical specifications.

## EDUCATION

**Texas Tech University, TX - *Master of Science in Management Information Systems-Data Science***

**May 2016**

Coursework: Decision Theory and Business Analytics, Data and Text Mining, Prescriptive Analysis, Business Problem Solving, Database Concepts, Statistical Concepts (regression, gradient boosting), Data management and Business Intelligence

**University of Mumbai, India - *Master of Science in Computer Science***

**May 2012**

Coursework: Distributed Computing, Algorithm and Data Structures, Compiler Design, Artificial Intelligence & Machine Learning, Image and Digital Signal processing, DBMS, Optimization Techniques and Embedded Systems.

## PROJECTS

**Contextual Chatbots with Tensorflow (Python)** - <https://github.com/tijugeorge/Chat-bot>

- Transformed conversational intent definitions to a Tensorflow model.
- Built a chat-bot framework to process responses and shows how basic context can be incorporated into a response processor.

**Sudoku with Artificial Intelligence (Python)** - [https://github.com/tijugeorge/Artificial-Intelligence/tree/master/Sudoku\\_with\\_AI](https://github.com/tijugeorge/Artificial-Intelligence/tree/master/Sudoku_with_AI)

- Designed AI-agent that solves the sudoku puzzles which is part of the Nanodegree.
- Use of constraint propagation to solve the sudoku problem.

**Social Network Analysis using FB API** - <https://github.com/tijugeorge/Project-2/blob/master/Project-2/Prescriptive-Analytics.pdf>

- Used the Facebook community page for online live comments analysis for data mining.
- Sentiment analysis done on the retrieved data using the python and its ML packages.

**Multi-user Blog (Python, SQL, cryptography standards like MD5, SHA2, HMAC used)** - <https://multi-user-blog-163400.appspot.com/>

- A multi user blog where users can sign in & post blog posts as well as 'Like' & 'Comment' on other posts made on the blog.
- Hosted this blog on Google App Engine and created an authentication system for users to be able to register and sign in and then create blog posts.

**Movie Trailer Website (Python, HTML, CSS)** - <https://github.com/tijugeorge/Movie-trailer-website>

- Server-side code written in Python to store a list of my favorite movies, including box art imagery and a movie trailer URL.
- This data is then served to a web page using HTML and CSS allowing visitors to review these movies and watch the trailers.

## EXTRA-CURRICULAR & AWARDS

- Volunteer tutor at Institutional Diversity, Equity & Community serving the Lubbock area, TX.
- Secretarial Coordinator for Big Data Symposium at Texas Tech University 2016.
- Awarded study abroad competitive scholarship in Texas Tech University.