

**SUMMARY**

- Self-motivated, results-driven software engineer and technically sound MIS and Computer Science graduate.
- Experienced in Python programming and can adjust to other languages. Strong computer science fundamentals.
- Excellent verbal and written communication skills with experience in delivering results through code reviews & team meetings.
- Exposure to version control systems, knowledge of Git and experience in using Linux.

**TECHNICAL SKILLS****Programming:** Python, SQL, Java**Front-End:** HTML, CSS, Bootstrap, JavaScript**Databases:** Microsoft SQL Server, MySQL, 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 platform, 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 for healthcare project.
- Collaborative work between the hardware, product and stake holders in determining the systems progress.
- Knowledge 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, experience with test driven development, automated tests and preparation of technical documentation.
- Worked on retrieving, updating and manipulating healthcare data for data analysis and preparing unit-test 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.

**Intern Embedded Systems**, ThinkLabs TechnoSolutions-IIT Bombay, IN**July 2011**

- Insight into different micro-controller architectures and their programming using Embedded C.
- Interfaced different sensors, display and learnt communication protocols like UART, SPI, Analog signal processing using DC and built specific code libraries for ATmega128 microcontroller.

**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, Data management and Business Intelligence(Hadoop).

**University of Mumbai, India - *Computer Science*****May 2012**

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

**PROJECTS****Contextual Chatbots with Tensorflow (Python, machine learning)** - <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 real-time data processing by online live comments analysis for data mining.
- Sentiment analysis done on the retrieved data using the python and its ML packages.

**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.