TIJU MATHEW GEORGE

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SUMMARY

Software engineer seeking full stack roles. Self-motivated, disciplined and technically sound MIS and CS Masters graduate. Experience in python programming and front end technologies. Keen to learn new skills, tools and ability to adjust to demanding projects.

TECHNICAL SKILLS

Programming: Python, SQL, R, SAS programming.
Front-End: HTML, CSS, Bootstrap, JavaScript
Databases: Microsoft SQL Server, NoSQL- MongoDB, Oracle 11g, Hadoop
OS and Tools: Windows 7/8/10, Linux (Ubuntu, CentOS), Google App Engine, Jinja, MatLab, SAS EM & EG, Eclipse, TensorFlow(basics)
Cloud and Visualization: MS Azure, Google Cloud, Gephi, Tableau

WORK EXPERIENCE

Systems Analyst-Software Engineer, Hewlett Packard Enterprises (Aspire Systems Inc), Tallahassee, FL   **Sept 2016 - Present**

- Research, design and later implement codes written in python to testing environment. Working on panel testing and writing SQL queries to achieve the change order requests. After testing, technical documentation is the vital task.
- Research, investigate, identify root cause of performance by evaluating and specify solutions to systems of Florida Healthcare Medicaid interchange (UI) payments and complying to HIPAA regulations.
- Use of test cases and deploy in model office which is a prototype of production systems and monitor the changes.

Teaching Assistant/IT Student Analyst, Texas Tech University-IT Division, Lubbock, TX   **Dec 2014- May 2016**

- Assisted professor in two courses, viz., Business Intelligence and Database Management Systems. Opportunity to take classes in the absence of professor when in conference and duties included to grade and supervise examinations.
- Worked in the research team under Dr. Lin working on a large healthcare dataset using python, trying to identify relationship between the variables from disparate sources extracted through data pipeline and use of MS Azure to analyze the data.
- Technical analyst for IT Division by providing frontline technical support to Staff, Faculty & students.
- Provided support for a wide range of issues, including LAN's, WAN's, hardware, software and network troubleshooting and debugging. Experience in computer network troubleshooting, communication protocols including TCP/IP, UDP & HTTP

Process Expert, Maersk, India   **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   **May 2016**
Master of Science in Management Information Systems-Data Science
Coursework: Decision Theory and Business Analytics, Data and Text Mining, Prescriptive Analysis, Business Problem Solving, Database Concepts, Statistical Concepts, Data management and Business Intelligence

University of Mumbai, IN   **May 2012**
Masters in Computer Science
Coursework: Distributed Computing, Algorithm and Data Structures, Compiler Design, Artificial Intelligence & Machine Learning, Image and Digital Signal processing, DBMS, Optimization Techniques, Embedded Systems.

ACADEMIC PROJECTS

- **Social Network Analysis using Facebook API (Sentiment Analysis) (Python)**
  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.
- **Movie Trailer Website (Python, HTML, CSS)**
  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.
- **Build a Portfolio (HTML, CSS, Bootstrap)**
  Developed a personal portfolio page using HTML, CSS, and the Bootstrap framework. The page is fully responsive and works on mobile, tablet, and desktop browsers.
- **Multi-user Blog (Python, Google App Engine, SQL)**
  A multi user blog where users can sign in and post blog posts as well as 'Like' and '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
- **Market Basket Analysis (SAS enterprise miner, Statistics)**
  Trying to identify the affinity between various goods that customer buys according the buying pattern. Prediction of parameters using the customer buying pattern. Applied Chi-Square tests to determine the validity of associative rules found.

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.
- Counselor at Texas Tech University Chess Department for Summer 2015.
- Awarded with Study Abroad Competitive Scholarship by Texas Tech University
- Udacity Full Stack Developer (in progress)