

Tess Thomas

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Overview

Analytics professional with advanced quantitative skills and significant industry experience seeking full time opportunities.

- Highly skilled in analytics project including data cleaning, manipulation, analysis/modeling, and visualization/presenting.
- Clearly communicates impactful results and recommendations to clients, stakeholders, and technical audiences.
- Working within diverse cross-sectional teams and prioritizing goals to ensure timely deliverables.

Education

University of South Florida, Tampa, FL

December 2017

Master of Science in Management Information Systems (GPA: 3.77/4.00)

Mahatma Gandhi University, Kerala, India

May 2013

Bachelor of Technology in Electronics and Communication (GPA: 3.98/4.00)

Technical Skills

- **Languages:** R, Python, Java J2EE, C#, SQL, HTML, PL/SQL
- **Databases:** Oracle 10g and above, MySQL, NoSQL, Cassandra
- **Tools:** Oracle JDeveloper, Eclipse, SQL Developer, Oracle ADF, Git
- **Data Analysis:** Tableau, Shiny, Power BI, SAS, Rapid Miner, WEKA, Advanced Microsoft Excel
- **Project Management:** Microsoft Office Suite, Agile/SCRUM, ArgoUML, Microsoft Visio

Professional Experience

People Analytics Intern | Kforce Inc., Tampa, Florida

May 2017 - Present

- Extracting data from resumes using **Excel** and conducting data analysis, cleansing, transformation, data modeling using **R**.
- Build predictive models in **R** to find patterns and identify relationships to create candidate evaluation tool used for recruiting.
- Created dashboards and visualizations of the statistical findings using **Tableau** and **Power BI** and presented dashboards to communicate analysis results and recommendations to the team and Managers.

BizTown Volunteer Analytics – Junior Achievement, Tampa, Florida

January 2017 – May 2017

Independent Study under Dr. Balaji Padmanabhan, Director, Center for Analytics and Creativity

- Designed and implemented questionnaire for volunteers in **Survey Monkey**; cleaned and analyzed data using **R** and **Excel**.
- Identified relevant trends and insights within data sets using **R** and the visualization models were plotted using **Tableau**.
- Provided exploratory analysis and presented recommendations to the board members to drive the volunteer participation.

Software Engineer | Wipro Technologies, Bangalore, India

November 2013 – July 2016

- Extracted, cleaned and analyzed **online reviews** and **website performance** leading to proposing and implementing enhancements on existing functionality which reduced the poor reviews to less than 5% and doubled the website traffic.
- Collaborated with business analysts and maintained constant communication with clients to understand and define **requirements**, develop **project map**, and applied agile project management approach to deliver timely results.
- Created use case diagrams using **Argo UML** to explain the flow of events and interaction of software systems to clients.
- Successfully developed and implemented business solutions using **Oracle ADF** framework with **Oracle 11g** as the backend for the development of a cloud based web portal for a leading publishing portal which increased their efficiency.
- Implemented exception handling and code refactoring for a large scale application using **Java** which improved efficiency.
- Created dashboards in Excel by using **pivot tables** and **VLOOKUP**; wrote **VBA** scripts to automate SQL scripts.
- Provided technical and functional training for 7 new joiners, allocated tasks and made them competent to manage modules.

Academic Projects

US Death Records – Statistical Data Mining Project | Data Analyst

- Analyzed 300,000 death records and did extensive data cleansing, data preparation and data Readiness using **R**.
- Performed statistical analysis to identify explanatory variables and built linear, logistic regression models using **R**.
- Created interactive dash board app using **Shiny**, a web application framework for R to visualize the data - [Dashboard Link](#)

Predicting US Elections 2016 – Data Mining Project | Data Analyst

- Analyzed 24,612 primary election results and built regression models and decision tree models using **SAS** and machine learning algorithms like **Neural Networks**, **Naïve Bayes** and **Decision Trees**.
- Extracted the tweets from twitter using Tweepy API written in **Python** and build regression models using **Rapid Miner**.
- Visualization models and trend lines were plotted using **Tableau** along with Rapid Miner's **Aylien** tool for sentiment analysis.

E-Commerce Systems – Advanced Database Management Systems Project | Data Modeler

- Designed E-Commerce Systems database and developed **logic database design** in Oracle using SQL Developer.
- Performed Performance Tuning, Database Security and wrote DBA scripts for reporting on objects, indexes and constraints.

Standalone E-Commerce Web Application – Big Data and Electronic Commerce | Application Developer

- Designed and developed an E-Commerce web application with scalability solutions using **Node JS** and **Mongo DB**.
- Implemented functionalities such as **Redis Cache**, **CDN** for image hosting and **Elastic Search** for fuzzy search on indexes.

Achievements and Community Involvement

- Coordinated event timelines and guided the students with the activities and assisted chaperones for Big Data Day at USF.
- Organized an event MI-5 for the technical fest participated by 1000 students; handled event logistics, including registration and attendee tracking, presentation and materials support.