VENKATA VISHNU VARDHAN ALURI

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PROFESSIONAL EXPERIENCE

Advisory Analyst
Deloitte Audit and Enterprise Risk Services, USI - Hyderabad, India Aug 2016 - Aug 2017

- Performed computerized system validation using HP ALM (Hewlett Packard Application Lifecycle Management) and HPSC (Hewlett Packard Service Center).
- Worked on deliverables like test scripts, URs, FRs, tracematrix and defect management process which ensuring quality assurance.
- Developed dashboards to track the progress of projects, poses thorough knowledge of 21 CFR part 11 and testing activities.
- Been a part of team that built an automation tool for validation using Python and acted as a point of contact for all metrics related activities in more than 50 % of the projects involved.

TECHNICAL SKILLS

Languages	:	Python, SQL, JavaScript, R, Pyspark, PostgreSQL, Java, CSS, C.
Tools	:	Tableau, HPALM, HPSC, WEKA, R Studio and Visual Studio Code.
Other software	:	SharePoint and MS Office.

ACADEMIC PROJECTS

ETL Statistics – Python

- The objective of the project is tri fold. In the first two parts, data is extracted into usable records from a csv file and saved/loaded into database using sqlite3. A producer consumer based transform was performed in the third part using multi-threading.

Prediction of Congestion in Dublin city – Python, Pyspark, Numpy

- In this project, logistic regression was used to predict if there is congestion in a particular route in Dublin city. The project was first implemented on a small data set using Pandas and Numpy libraries in Python. Later, in robust Pyspark, to achieve the results on big data.
- Google cloud platform was used for server capacity while executing on big data.

Single Page Web Application – JavaScript, HTML, CSS

- An interactive single page web application was developed using Java script, HTML and CSS and hosted in local python server.

Prediction of Career Longevity for NBA Rookies – R, WEKA

- Data set comprising of 1340 instances and 21 attributes was trained using combinations of several classification algorithms and attribute selection algorithms and tested on test data set in WEKA.
- The combination with best Accuracy, TP Rate, area under ROC curve and least FP was used to predict career longevity.

Analysis of H1B visa petitions - R

- Project to determine salary distribution, on demand jobs as per number of H1B applications received in the year 2016 in USA. Summarized 70k applications into 50 state list.
- Confidence intervals were calculated using four kinds of sampling methods. Data was visualized using bar graphs and histograms.

University Database – SQL

- Built a model of University database with minimum redundancy implementing triggers and indexes.

Twitter Stock Market Sentiment Analysis – R

- Performed sentiment analysis for tweets on a set of six banks, based on positive and negative word lists (lexicons) to determine which banks stocks were impacted the most.
- Bar charts and candlestick plots were generated to visualize the results.

UNIX Shell Interpreter – C

- Implemented several system calls by writing a custom shell interpreter in C.

Cost of a Night out around the world – Tableau

- Several demographics and dashboards are created on tableau based on several inferences extracted from the data set

CERTIFICATIONS

- Google Analytics for beginners
- Advanced Google Analytics

EDUCATION

- Master of Science in Computer Science — January'19
  Boston University, MA
- Bachelor of Technology in Computer Science and Engineering — 2012 – 2016
  Gokaraju Rangaraju Institute of Engineering and Technology, India