

AARYA REDIJ

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EDUCATION

Aug 2017 - May 2019	Masters of Information Systems, University of Maryland, Baltimore County, USA	(3.9/4.0)
June 2013 - May 2017	Bachelor of Engineering, Information Technology, Pune University, India	(3.8/4.0)

TECHNICAL SKILLS

<i>Languages</i>	SQL, PLSQL, MySQL, R, Python, HTML, Java, C, C++, XML, CSS, PHP
<i>Databases</i>	Microsoft SQL, Oracle, MongoDB
<i>Environment</i>	Windows, Linux
<i>Technologies and Tools</i>	RStudio, Jupyter Notebook, PyCharm, MS Office (MS Word, MS Excel, MS Outlook, MS PowerPoint), Tableau, Pandas, Qlik, Visio, RapidMiner, PowerBI, SSIS, SSRS, ETL
<i>Certifications</i>	Python Essential Training, Tableau, Data Analytics, Machine Learning, Internet of Things, Blockchain, R Introduction, Excel Training, Digital Business Analysis, Qlik Sense

RELEVANT EXPERIENCE

March 2019 – June 2020

Operations Data Analyst, Carnival Corporation, USA

- Proposed and implemented a new Project Tracking System that leverages web scraping, SQL Server Integration Services, PowerBI and Tableau to obtain data from disparate website and build Executive Management Dashboards used for Global Project Tracking and to monitor progress of ongoing audits in the company. Reduced time and transformed to a complete automated process.
- Leveraged Python and NLP to perform text extraction and analysis of unstructured audit finding text to derive and categorize underlying finding root causes. Project predicts analysis of high-risk areas on Ships. This will help avoid incidents in future by studying the pattern and cause of patterns over a period. Project helps identify mishaps that have a high chance of occurring in the future and incidents that have a potential to pose as a threat in the future.
- Assisted in the creation of data models (including basic AI/Machine Learning) to proactively identify potential company fraud as well as potential shipboard health, environmental, safety, and security incidents. Data Extracted, Transferred and Loaded (ETL) from SSMS.
- Coordinated with global audit leadership to obtain requirements for the development of queries, models and visualizations to support audit team analysis.
- Supported departmental automated continuous assurance program by developing and refining queries, anomaly identification, and auditor training using SQL and SQL Server Management Studio. Assisted with administrative support, testing, and report development of audit department systems.

June 2018 – June 2019

Data Analyst, Index Analytics LLC, USA

- Certification of Business Analyst Course in Qlik Sense Software.
- Visualized and analyzed data for the Virginia healthcare department for trends in Opioid addiction. Reported findings to the Data analysis team by means of Data Visualizations through stories and dashboards on the Qlik Sense Software.
- Used Qlik to clean, analyze data and visualize Combo, Tree, Line, Histogram, Bar, Pie charts etc. Participate in Weekly meetings to update development and project activities.

August 2018 – June 2019

Software Engineer Intern, Arsiem Corporation, USA

- Design and develop an Online Course in Internet of Things.
- Provide an analytical spin of Cyber Security to Internet of Things to study security perspectives.
- Explore Dark Net to study violations in IOT using TOR Browser.

June 2016 - May 2017

Project Intern, Rapid Flow Apps Oracle, INDIA

- Project helps users to submit their complaints and queries regarding appliances purchased online. Natural Language Processing technologies are used for parsing, tokenizing, stemming and filtering.
- Event Extraction and Sentiment Analysis in Helpdesk is designed using MySQL Workbench, Java, HTML, CSS, XAMPP and Eclipse. Term Extraction done using Natural Language Processing (Stanford API). Sentiment of statement calculated using Word Net and Word Ontology.

ACADEMIC PROJECTS

August 2018 - Dec 2018

Analyzing flight dataset for Delay

- Collected and merged data for flights and weather conditions in the USA and created a data structure to handle missing values as a part of data preprocessing.
- Extracted, transformed and pre-processed (ETL) data to remove unwanted and redundant values from original data. Implemented classifiers like SVM and Naïve Bayesian using python machine learning libraries. Compared SVM and Naïve Bayesian classifier performance.

Jan 2018 - May 2018

School Bus Management System

- Designed and implemented a Normalized RDBMS for a school bus and created workflow diagrams.
- Implemented features like bus route utilization rate, alert generation, computing gap time, driver schedule using Oracle PL/SQL procedures, functions, triggers, sequences and indexes. Used indexing and Normalization techniques on certain columns to increase the querying speed.

August 2018 - Dec 2018

Inventory Management System, Structured Systems Analysis and Design

- Prototyped a mobile barcode scanner application to perform inventory which reduces usage of manpower and resources by 80% and documented its Software Development Life Cycle