ARNAZ TANTRA

Dept. Of Data Analytics Engineering, George Mason University

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## Education

## Master’s in Data Analytics Engineering Jan 2019 – Dec 2020

George Mason University, Fairfax, Virginia GPA: 3.71/4

##  Bachelor of Engineering in Computer Science & Engineering Aug 2013 – Jun 2017

G. H. Raisoni College of Engineering, Nagpur, India GPA: 3.8/4

**Technical SKILLS**

Programming Languages: R-programming, Python, C#.

Database: SQL, NoSQL, MongoDB.

Machine Learning: Classification, Clustering, Regression, Natural Language Processing (NLP)

 Tools: Microsoft Excel, Office, ETL (Extract Transform Load), Scikit-Learn, Pandas, NumPy, Matplotlib, NLTK

Visualization: Tableau.

 Certification: Udemy- MySQL for Data Analytics and Business Intelligence

 Business Metrics for Data Driven Company. Mastering Data Analysis in Excel

Data Visualization and Communication with Tableau-Data Camp

Machine Learning with Python-IBM

# WORK EXPERIENCE

## Micron Technology, Manassas Virginia Jun 2020- Aug 2020

**Intern-Data Analyst (Yield Enhancement)**

Effectively and efficiently analyze the trends of semi-conductor manufacturing data across multiple parts by finding the root cause as quickly as possible by applying solid data analysis technique. Extract data using SQL or GUI Massage or Manipulate data using tools like Excel/JMP/R/Python Analyze data using various Machine Learning technique. Contribute towards improving the defense line by finding the correlation to inline and tool signals through data analytics approach. Rewrite current website of Trend Analytics page in angular.

Tools used: R, Angular, C++

## Catholic Relief Services, Baltimore Maryland Jan 2020-May 2020

## Scrum Master-Data Scientist Intern

## A non-profit organization which helps impoverished countries by collecting data surrounding their program objectives in Sierra Leone. This project presents statistical analyses with exploratory data analysis (EDA) and analytical models such as logistic regression and random forests to determine which significant indicators have the most impact and help with the decision making.

Tools used: SPSS, R, Python

## George Mason University, Fairfax, Virginia Aug 2019- May 2020

**Graduate Teaching Assistant (Discrete Structure with Python Programming)**

Coordinated with professor in creating course structure, student Evaluations, in-class quizzes. Instruct 100 under-graduate students in an introduction to Python and statistics course. Provide feedback and personal instruction to students during designated office hour on as needed basis.

Topics: Statistics, Mathematics and Python

##  Hotelkey India Pvt. Ltd, Nagpur, India May 2017–Sep 2018

**Quality Analyst Lead**

Responsible for reports testing of the client G6 Hospitality LLC. Developed business requirements vs. Test Case Matrix. Manage document and follow-

 up on defect resolution using reporting platform to maintains records of testing defects discovered during test cycle. Analyze results, draw conclusions from test results and make recommendations. Utilized scrum/Agile ceremonies such as sprint planning and sprint review processes to deliver software solutions. Used techniques such as user stories, use cases and informal modeling. Worked on MySQL to fetch data of specific reports of particular range and with specific defects to be tested.

 Tools used: JIRA, MySQL

##  Hotelkey India Pvt. Ltd, Nagpur, India Nov 2016 – May 2017

**Implementation Specialist-Intern**

Responsible for client handling, Project management and property management.

Tools Used: ETL

# ACADEMIC PROJECT

 **Lending Club Loan Data (2nd Semester, Master’s Data Analytics)**

Objective: From this project we can predict how many loan takers would be default or late paid and how many of them would have fully paid on time?

Procedure: Pre-processed and cleaning the data which can be suitable for modelling purposes. Split the pre-processed dataset into train dataset for training the classification models and validation dataset for measuring the accuracy. The results of each of the models are compared based on Accuracy of the model and AUC of the ROC curve.

Tools Used: R studio and Python.

##  House Price Predictions and Classification (1st Semester, Master’s Data Analytics)

Objective: Predict the house price based on the features of lot area, number of bedrooms, bathrooms etc. And classifying to which price category the house belongs costly, moderate or cheap.

Tool used: R studio**.**

# ACHIEVEMENTS

Lead the deployment of 1414 properties of G6 hospitality on HotelKey Product Suite, worth 1 million USD during the internship (2017)

Won consolation prize for the paper presentation of AIYEHUM (All India Young Engineers’ Humanitarian Challenge-2016)

Won 3rd prize in English elocution (Public Speaking) during school days (2008-2011)

Won 2nd Runner Up award for freestyle and breaststroke in swimming competition held at Nagpur city, India (2010-2011)

# EXTRA-CURRICULAR ACTIVITIES

 Event Coordinator, IGSA George Mason University (2019-2020)

Cultural In-charge, Computer Science Department, G. H. Raisoni College of Engineering (2015-2016)

 Class Representative, G. H. Raisoni College of Engineering (2013-2015)