Arunachalam Rajkumar

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SUMMARY

Highly motivated and passion-driven Data enthusiast who loves to visualize and analyze data. I am a team player with well-honed communication and interpersonal skills.

EDUCATION

Master of Science, Information Technology and Management *Jan 2021 - Present*
Illinois Institute of Technology GPA: 3.85/4.0
Bachelor of Technology, Computer Science and Engineering *Jul 2016 - May 2020*
Karunya Institute of Technology GPA: 7.33/10.0

EXPERIENCE

Data Analyst, Valeo Pvt Ltd., *Dec 2019 - Dec 2020*
- Monitored 150+ Valeo servers worldwide using AME, PLM and Catia which reduced and prevented the servers from license overage.
- Automated the process of alert in the servers that need maintenance and those that overuse license and memory which reduced lots of manpower by automatically giving an alert rather than doing it manually.
- Created various Interactive web pages for the use of customers using HTML, PHP so that details about the servers like license usage, memory usage can be viewed and this helped managers to keep track of the servers.
- Retrieved and Analyzed data from various users of the Servers Worldwide using SQL so that the changes that are being made and the person using the servers can be known.
- Crafted Tableau reports and dashboards and monitored KPIs to support customer segmentation, Product Analysis, Campaign Management, Customer Behavior and Store Performance Analysis.

Predictive Analytics Intern, Gbans Consulting Pvt Ltd., *May 2019 - Jul 2019*
- This Internship was Oriented towards gaining expertise in Predictive Analysis tool SAP.
- Collaborated with 7 Banks to Predict People who will take Different kinds of Loans like Housing and Education.
- Teamed-up with cross-functional teams to gather, analyze and document business and functional requirements.

PROJECTS

Supply Chain Management using SQL
- Developed a Supply Chain Management using SQL which helped to understand the total sales and profit of a warehouse.
- Created Database tables that revolved around supply chains like suppliers tables and populated those tables.
- Performed various arithmetic operations like lag times and lead times by creating a warehouse.

Predicting the Profit/Loss of an organization using Tableau
- Retrieved Past Years data from the Organization and built a Dashboard.
- Created a Dashboard to Predict Loss/Profit of an Organization every month in different Cities in the US by using Tableau. With this data the organization was able to predict their overall profit and loss in the past year.

Analyzing Adult Income Data set using Python
- Analyzed Adult Income data set using diffferent Classification Techniques like KNN, K-means, Decision Tree, Adaboost in Python to Predict the diffferent type of occupations which earns greater than $500,000 and less than $500,000.
- 200,000 features were used to train and validate the model and from the above classification models decision tree provided the best accuracy with 80.5%

Extraction, Transformation, Transportation and Loading (ETL) of data
- Designed an ETL pipeline to extract raw data from multiple sources and implement SCD type 2 to sort,truncate and update the values to the target table.
- Built schemas and views for product and customer dimensions to display the updated values in the table after each transaction.

SKILLS

Tools and Technologies: Tableau, RStudio, Excel, Linux, Javascript, Weka, ETL, AWS
Programming Languages: SQL, PL/SQL, R, Python, Shell Scripting, Pyspark, Scala
Database: Oracle, MySQL, SQL Server
Certifications: Tableau for Data Analyst(Udemy), Introduction to Machine Learning(Udemy), Python for Data Science(Cognitive AI)

On-Campus Experience

- **Teaching Assistant** for Rich Internet Applications course, Database Security and Network Administration and Operations at IIT, Chicago.
- **Worked with Chicago Public Schools** in conducting standardized achievement test for school students