Arunachalam Rajkumar

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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

COURSEWORK

- Programming for Data Analytics, Advanced topics in Database, Rich Internet Applications, Data Mining, Database Security, Service Oriented Architecture, Data Warehouse, Big Data Technologies, Project Management

SKILLS

Tools and Technologies: Tableau, RStudio, Power BI, Hadoop, GitHub, Jupyter Notebook ,Eclipse, Linux, Javascript, Weka, ETL
Programming Languages: SQL, PL/SQL, R, Python, Shell Scripting
Database: Oracle, MySQL, SQL Server
Certifications: Tableau(Udemy), Machine Learning(Udemy), Python for Data Science(Cognitive AI)

EXPERIENCE

Graduate Teaching Assistant, Illinois Institute of Technology   *Sep 2021 - Present*
- Teaching Assistant for Rich Internet Applications course (ITMD 465/565), Database Security (ITMS 428/528) and Network Administration and Operations (ITMO 441/541) at IIT, Chicago.
- Duties : Conducting lab sessions, conducting exam reviews sessions, grading assignments and proctoring exams.

R&D IS Operations - Data Analyst , Valeo India Pvt Ltd.,   *Dec 2019 - Dec 2020*
- Monitored 150+ Valeo servers worldwide using AME, PLM and Catia.
- Automated the process of alert in the servers that need maintenance and those which overuse license and memory.
- Created various Interactive web pages for the use of customers using HTML, PHP so that details about the serverslike
- License usage, memory Usage can be viewed.
- Retrieved and Analyzed data from various users of the Servers Worldwide using SQL.
- 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.
- Performed various Arithmetic Operations by creating a warehouse

PREDICTING THE PROFIT/LOSS OF AN ORGANIZATION USING TABLEAU
- Retrieved Data Past Years Data from the Organization and Built a Dashboard.
- Created a Dashboard to Predict Loss/Profit of an Organization everymonth in different Cities in US by using Tableau.

ANALYZING ADULT INCOME DATA SET USING PYTHON
- Analyzed Adult Income Data Set using Different Classification Techniques like KNN, K-means, Decision Tree, Adaboost in Python.
- Predicted the different type of occupation which earns <50000$ and >50000$

DENORMALIZATION OF AN OLTP DATASET (SQL, ETL-Pentaho, SQL Workbench)
- Designed an ETL pipeline to extract raw data from multiple sources and implement SCD type 2 to sort,truncate and update the values to target table.
- Built schemas and views for product and customer dimensions to display the updated values in table after each transaction.

LEADERSHIP EXPERIENCE AND EXTRACURRICULAR ACTIVITIES EXPERIENCE

- Published a paper on Security with Rest and SOAP Services.
- Organizer at Mindkraft(Technical Symposium), Organizer atCampofez(Cultural Event).
- Events Manager at Indian Students Association (ISA) at Illinois Institute of Technology.