KEERTHI MALATHKAR

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Education

University of North Texas, Denton, TX 01/2023 – 12/2024 Master's in Advanced Data Analytics **GPA:4.0/4.0**
Course Work: Data Analytics I, Harvesting, Storing and Retrieving Data, Discovery and Learning with Big Data, Data Analytics II, Large Data Visualization, Recurrent Neural Network, Deep Learning with Big Data, Agile for Analytics

Work Experience

Market Research Student Assistant at University of North Texas, Denton, TX   **03/2024 – Present**
- Pull reports, build queries, perform analysis, clean, organize, and format data to be input into the PHOI tool built by UNT DSI-Digital Growth.
- Collaborate with the marketing team to accomplish tasks and promote continuous improvement of the PHOI tool.
- Engage in active problem-solving regarding data collection and data visualization/presentation to offer possible solutions.

Capital Planning Student Assistant at University of North Texas, Denton, TX   **06/2023 – 02/2024**
- Took ownership to build an application using Power Apps for the data collection to help Facilities leadership make informed decisions on capital investment needs.
- Preparation of analysis, commentary, and presentation materials for department, utilizing facilities-specific databases and MS Office Suite.
- Provided business insights using the Power BI dashboard.

System Engineer at Tata Consultancy services, Hyderabad, Telangana   **01/2019 - 12/2022**
- Automated complete administration and configuration tasks on Apache HTTPD Web Server, JBoss, and WebLogic application servers using Jenkins and Ansible for 250+ applications.
- Upgraded and configured middleware apps like JBoss, WebLogic, and Apache-httpd on the Linux servers
- As a shift lead took ownership of ensuring smooth operations, scheduling, and monitoring the team performance.

Academic Projects

Lay-off Analysis: Using the **ANOVA** and **Descriptive Statistical** techniques, analyzed the number of laid off employees in different industries and countries. From the observation, the **F-critical** value is **3.15** and model **score** is **0.674**.

Chicago Crime: Leveraging Big Data to fight crime in Chicago using the **open refine** for big data preparation, Big Query for unlocking the insights by performing query operation and visualizing the results using the Looker studio.

Operating Budget of Dallas: Understanding the city Dallas operating budget with powerful visualization tool **Tableau** and transformed the raw data using **Tableau Prep Builder** and observe from the results that the Water utility department had the highest expenses incurred during the financial year 2022.

Seoul Bike Riding Demand Prediction: Using **Linear Regression**, **Decision Tree**, and **Random Forest Regressor**, performed the prediction of the demand for bikes in Seoul city and found the best prediction model for Random Forest Regressor with an accuracy score of **0.92**.

King County Housing sales prediction: Using the **R** programming language predicted the housing sales in the city of Seattle. Analyzed the data using the **linear Regression** technique and found the **score** of **0.6948**.

Skills

Programming: Python, R, MySQL, HTML, CSS, JavaScript, Data Structure

Data Visualization: Tableau, Power BI, Excel, Looker Studio

ML Libraries: Scikit-learn, NumPy, Pandas, Keras, Matplotlib, Seaborn Modelling: Linear Regression, ANOVA, Logistic regression, Decision trees, Random Forest, Simple RNN, PyTorch

Other Tools: Google Cloud Platform, Linux, Anaplan, Office365, Power Automate, SAS, TensorFlow, Apache Spark, Hadoop, IBM BAW, Docker, Jenkins, Kubernetes, Ansible, Git, Rapid Miner, Power Apps, Power Automate, Azure, Lightcast, Salesforce

Core Skills: Active listening, Assertiveness, Adaptability, Agile Methodology, Conflict management, Empathy, Collaborative, Restorative, Learner, Intellection, Connectedness, Shift Lead, Problem-solving

Domain Skills: Banking, Finance, Supply chain, Market Research

Activities and Honors

- Excellence Award (11/2023) - University of North Texas
- Best Team Award (05/2022) - Tata consultancy services
- Certified Google Associate Cloud Engineer