

KEERTHI MALATHKAR

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EDUCATION

University of North Texas, Denton, TX

01/2023 – Present

Masters 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, Large Data Visualization, Recurrent Neural Network, Deep Learning with Big Data, Agile for Analytics

Osmania University, Hyderabad, India

06/2015 - 05/2018

Bachelor in Electronics and Communication Engineering

GPA:3.58/4.0

WORK EXPERIENCE

Capital Planning Student Assistant at University of North Texas, Denton, TX

06/2023 – Present

- Took ownership to build an application using Power Apps for the Auxiliary team for data collection during site inspection. Automate the application flow using Power Automate to save the collected data to the backend data source-Excel.
- Created Project Agenda and charter using Microsoft Word for various construction projects.
- 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 Linear Regression 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 final 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

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

Core Skills: Active listening, Assertiveness, Empathy, Conflict management, Restorative, Learner, Intellection, Connectedness, Shift Lead, Agile Methodology

Domain Skills: Banking, Finance, Supply chain

ACTIVITIES AND HONORS

- Certified Google Associate Cloud Engineer
- Excellence Award (11/2023) - University of North Texas
- Best Team Award (05/2022) - Tata consultancy services
- Attended google's cloud migration summit
- Special Achievement Award (10/2019) -Tata consultancy services