

KIRTHANA REMIDI

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Education

University of Massachusetts

Master of Science in Business Analytics

September 2023 – August 2024

Amherst, MA

University College of Engineering, Osmania University

Bachelors in Civil Engineering

July 2018 – May 2022

Hyderabad, India

Relevant Coursework

- Statistics for Business
- Data Mining
- Corporate Finance
- Financial and Managerial Accounting
- Business Intelligence and Analytics
- Project Management
- Data Science

Experience

Cognizant Technology Solutions

Programmer Analyst Trainee

September 2022 – May 2023

Hyderabad, India

- Developed, constructed, tested, and maintained the architecture and large data processing and ETL pipelines.
- Determined ways to improve data reliability, efficiency, quality and security and analyzed it to find patterns.
- Utilized Informatica PowerCenter to design and develop efficient data integration workflows.
- Performed complex SQL queries to create, manipulate, control and retrieve the data from the databases

Projects

Flight Status and Delay Prediction | *Python, Machine Learning*

April 2024

- Exploratory Data Analysis (EDA) leveraging Python visualization to identify key metrics for feature selection.
- Developed a Multiclass classifier achieving 97% accuracy and 97% recall determining if a flight is cancelled or delayed or on time.
- Built a Multilabel classifier predicting delay reasons with 85.7% accuracy and 5% Hamming loss.
- Predictive model using polynomial regression and regularization, improving R-squared from 0.3 to 0.82 and reducing MAPE to 0.4.

Maximising memberships for a bike share company | *Data cleaning, Advanced Excel, RStudio*

July 2021

- Performed data wrangling using libraries from the “Tidyverse” package.
- Created visuals using R to draw insights from the existing data.
- Determined the peak usage flow of bikes based on ride duration, length and subscription numbers, and shared the findings with the marketing team to help them adopt new strategies.

Building an enterprise DataWarehouse for Hospital | *Informatica PowerCenter, ER Diagram, SQL*

March 2023

- Led the development and implementation of an enterprise-level data warehouse to improve data management, enhance patient care, and streamline hospital operations.
- Implemented ETL (Extract, Transform, Load) processes to consolidate data from diverse sources into a centralized repository.
- Implemented data warehousing solutions like Informatica PowerCenter and SQL for data integration and transformation.

Technical Skills

Programming Skills: SQL(Proficient in DML, DDL), Python(Pandas, Matplotlib, Seaborn, Scikit), R, Linux, Unix and Shell Scripting

Tools: Advanced Excel, Macros, Tableau, Power BI, MS Access, SAP Analytics Cloud, RStudio, Informatica PowerCenter

Technical Skills: DBMS, Data Modeling, Relational Schema, ER Diagram, Data Warehousing, ETL, Supervised and Unsupervised Learning

Certifications

- Google Data Analytics Professional Certificate, Coursera June 2022
- Data Warehouse ETL Testing and Data Quality Management A-Z, Udemy July 2022
- Fundamentals of Finance, University of Pennsylvania, Coursera March 2023
- Machine Learning, Stanford University, Coursera June 2021