KARTHIK CHEVURU

Boston,MA, Ph.no 410-714-2842 | Chevuru.k@northeastern.edu | https://github.com/Karthik482

EDUCATION

Masters in Data Analytics Enginering (3.9/4)   Sep 2019-May 2021
Northeastern University
Relevant Courses: Machine Learning, Probability and Statistics, Data Visualization, Operation Reserch

Bachelors' in Computer Science (9.2/10)   Jun 2014-May 2018
SRM University

TECHNICAL SKILLS

Languages- R, Python, SQL, Java, HTML, CSS
Frameworks-, Hive, Excel, R shiny, Spark, Numpy, Pandas, Scikit Learn, Pytorch
Databases- Mongo DB, MySQL, Neo4j Cypher
Visualization Tools- Tableau, Power BI
Statistical Testing-A/B testing, Hypothesis Testing, Chi square test, F-test, t-test, Monte-Carlo Simulations.

WORK EXPERIENCE

Thinkster Math (Data Analyst Intern)   Dec 2018-May 2019
• Conducted **A/B testing** on 2 different versions of web page which resulted in **15%** growth rate in click rates.
• Classified which customer is likely to discontinue the service with senior data scientists using Machine Learning models like **SVM, KNN, Random Forrest, ANN** in **Python**. Retained **60%** of customers through personalized discounts.
• Developed complex **ETL** jobs for performing data migration using tools (**Informatica PowerCenter**)
to migrate data into **AWS Redshift**.
• Designed KPI Dashboards in **Tableau** for business unit to understand key metrics that are propagating business.

IRCTC (Database Developer Intern)   Jun 2017-Aug 2017
•Built complex **SQL** reports to audit **5 million** daily passengers travelling in south central zone of ITCTC in railway department.
•Optimized existing **SQL** queries to process **27%** faster than previous queries.
•Involved in assisting QA team in deploying and testing the application, which uses **SQL** server as database.

Kakatiya solutions(Web Developer)   Jun 2016 -Jul 2016
•Developed interactive and dynamic websites for clients using PHP, HTML and CSS.
•Integrated database to website to store and retrieval of data within website.
•Increased client search results by 35% by optimizing keywords in website using "SEO" techniques

ACADAMIC PROJECTS

Scania Air pressure system failure detection(Python, Pyspark, Ensemble Learning)
Aim-Reduce the cost of misclassification of APS system In Scania
->Classified which APS will result in failure by using different ensemble learning methods. Fine-tuned the model to reduce recall and precision rates. Applied **SMOTE** to balance the labels. Reduced initial cost of misclassification from **30000$ to 9000$.** Final f1 score 0.91

Black Friday Sales Prediction (R, GGplot2, Ensemble Learning Models)
Aim- Predict how much a customer would spend based on different independent variables.
->Converted categorical data to Numerical data. Removed columns with higher multicollinearity using the variance inflation factor. Applied multiple regression algorithms like **decision trees, random forest, XGboost, ANN**. Optimized parameters of best Model(**XGboost**).

Retail Database Management System (MySQL, MongoDB, R)
Aim-Build eCommerce DBMS system for an online retail store
-> Structured and designed database using **EER** and **UML** diagram. Built a database(building tables & populating tables) in workbench using relational tables and normalised it. Analyzed data through **SQL** simple and complex queries. Replicated database in **MongoDB** and analyzed the data through **Aggregate and MapReduce pipelines**.

LEADERSHIP EXPERIENCE

Student Treasurer (Aaruush), SRM University   Jan 2017-Sep 2017
•Led the financial management team for fundraising from different companies like Red Bull, Lenovo, TCS, Yocket and budget allocation for an College event