

SANJEEV KUMAR GAUTAM

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EDUCATION

Georgia State University

Expected May 2022

Master of Science in Data Science and Analytics, GPA 4.08

Relevant Coursework: Data mining, Big Data Programming, Machine Learning, Linear Statistical Analysis.

Savitribai Phule Pune University

2013 - 2017

Bachelor of Engineering in Electronics and Telecommunication, First Class with Distinction

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Database Systems

SKILLS

Competencies: Python (Pandas, Scikit-learn, NumPy, Matplotlib, TensorFlow, Keras), MySQL, R, JAVA, Machine Learning, Statistics, Probability, A/B testing, Predictive Modelling, C++, HTML, CSS, JavaScript

Tools: Hadoop, Spark, Anaconda, Jupyter, R Studio, Tableau, Eclipse, Kibana, MS Excel, MATLAB

EXPERIENCE

Graduate Research Assistant: Machine Learning

Aug 2020 - Present

Data Mining Lab, Georgia State University

Atlanta, GA

- Analyzed and visualized the SWAN-SF Dataset, a multivariate time series (MVTs) solar data, using python to perform the pre-processing of data including data cleaning, data transformation and data reduction
- Fetched the best 20 features of the dataset using scikit-learn and utilized them to train several different models using KNeighborsClassifier, DecisionTreeClassifier and SVC
- Evaluated the performance of different trained models by calculating True Skill Statistic using the test data for each of the model to determine which model performs best for classifying the positive flaring class

Data Analyst

Sep 2017 - Oct 2020

Amdocs

Pune, India

- Generated complex business reports using SQL, Tableau, Google Analytics for providing quantitative or statistical information of users' data to analyze the business performance, increasing the sales by 20
- Handled migration of 3M customers from Suddenlink to Amdocs, analyzing and converting the Suddenlink system data and making it compatible with Amdocs application to ensure the stability and smooth business transition
- Developed a recommendation system using Python to recommend users the most relevant cell phone price plans, enhancing customer experience and hence increasing the customer base by 30

PROJECTS

Hospital Management System

Sep 2020 - Nov 2020

- Designed and developed a database system using SQL for hospitals to manage their data effectively
- Developed a web application for the admins of hospitals to provide them a user-friendly GUI

Titanic Passengers Survival Analysis using Logistic Regression

Sep 2020 - Nov 2020

- Predicted the survival outcome of passengers in the tested data with a model built from the trained dataset using logistic regression analysis in R
- Performed the data analysis and pre-processing of data including handling missing and null values, visualization of data in order to prepare the dataset for training and testing the model
- Trained the model with logistic regression using training dataset and evaluated the model performance using test dataset