Shreya Shakya

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LinkedIn Profile | Portfolio | GitHub

Work Experience

Visible Funds LLC – New York, NY   Aug 2020 – Nov 2020
Data Scientist
- Built an infrastructure required for optimal extraction, transformation, and loading of data from a wide variety of data sources.
- Analyzed nonprofit organization data, assisted in developing a salary prediction model for the executive search project.

USF Holland Regional – Holland, MI   Jan 2020 – Jul 2020
Data Science Intern
- Assisted in model development, evaluation, and deployment to support operational decision making.
- Developed a forecasting algorithm to increase and optimize revenue generation, ad targeting, and other business outcomes.
- Created data analytics and reporting dashboards to drive business insight using Tableau.
- Analyzed data from company databases for improvement of product development, marketing techniques, and business strategies.

Grand Valley State University – Allendale, MI   Aug 2019 – Apr 2020
Graduate Research Assistant
- Social Network Analysis: Built a network of users and followers by scrapping information from Twitter to find how twitter users are influenced on the local level and analyzed the tweets to support the findings to help companies find potential customers for advertisement and marketing.

Projects
- ***Development of Snapchat-like Filters:*** Built an application to locate and resize Snapchat-like filters according to the individual's predicted facial key points using Convolutional Neural Network.
- ***Q-Learning for Intelligent Game Playing***: Used Reinforcement Learning to develop an autonomous and adaptive agent capable of learning to play an intelligent game of Tic-Tac-Toe.
- ***Student Debt Prediction:*** Explored relationships between variables and used Best Subset Regression approach to select the best model that could explain most variation.
- ***Machine Learning Platform for Predictive Analytics:*** Built a machine learning platform with a graphical user interface that enabled users to perform predictive tasks without getting into the actual implementation of various machine learning algorithms.
- ***Steam Store Analysis:*** Developed an R shiny application to determine what makes a game popular and successful.
- ***Chicago Crime Analysis:*** Explored and visualized crime trends in terms of location and time which could be used to suppress crimes by taking significant action in advance.

Education

Master of Data Science and Analytics, Grand Valley State University, CGPA – 3.97   Dec 2020
Bachelor of Computer Engineering, Nitte Meenakshi Institute of Technology, CGPA - 3.63   Jul 2017

Technical Skills

Programming Languages / Tools:	Python, R, SAS, Tableau, Excel, Git, MySQL, SQL-Server, Mongo-DB, AWS
Machine Learning / Data Science Tools:	GLM, Decision Tree, Random Forest, Boosting, SVM, Clustering, Neural Networks, Deep Learning, NLP (Transformers, Bert), Hypothesis Testing, Hadoop, Spark
Libraries:	Pandas, NumPy, Scikit–learn, Matplotlib, Seaborn, Keras, TensorFlow, PyTorch, OpenCV, NLTK, Flask, Dplyr, Tidyverse, Shiny, ggplot2.

Awards

Graduate Dean's Citations for Academic Excellence (Grand Valley State University)   Dec 2020