Devansh Sheth

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Computer Science Masters student at UC Riverside seeking internship in Data Science. Motivated, analytical and team player, I love story telling with the help of data and working with machine learning algorithms. Completed projects on open source datasets and online courses to learn more about data science.

Education

University of California, Riverside   Riverside, California
Master's of Science in Computer Science   Graduating December 2020

LDRP Institute of Technology and Research   Gandhinagar, Gujarat
Bachelor's of Engineering in Computer Engineering   Graduated April 2019

Technical Skills

- Programming Language: **Python**, **R**, **SQL**, Java
- Data Science: Data Cleaning, Predictive Modeling, **Data Wrangling**, **Data Visualization, Probability and Statistics, Machine Learning, Statistical Modeling**
- Tools and Technology: **PyCharm**, **Eclipse**, **Spyder**, Weka, **Anaconda**, **Scikit-learn**, Matplot, **Pandas**, **Numpy**, Spark, **SparkSQL**, Hadoop, **MapReduce**, **TensorFlow**, OpenCV, Convoluted Neural Networks
- Web Technologies: HTML, CSS, JavaScript, AJAX, PHP

Courses

- Big Data Management, Data Mining Techniques, Information Retrieval and Web Search (University of California, Riverside)
- Artificial Intelligence, Theory of Computation, Advanced Java, Database Management Systems, Data Structures and Algorithms (LDRP Institute of Technology and Research)
- Data Analysis with Python by IBM on Coursera
- Introduction to Data Analysis on Udacity

Work Experience

Softvan   Ahmedabad, Gujarat
Project Trainee   August 2018 – April 2019
- Developed a system to manage queues at the billing counter of retail stores.
- Used Computer Vision to monitor the queue and a notification was sent to the store manager whenever queue exceeded its predefined threshold.
- Analyzed various factors that lead to queue exceeding its limit and helped stores to manage the queues which would increase the sales by 50%.

Projects

Credit Card Default Prediction
- Developed a prediction system by implementing machine learning algorithms (Naive bayes, KNN, Logistic Regression and SVM) from scratch to predict if the person is going to default on the next credit card bill.
- Responsible for implementing Naive Bayes algorithm and achieved more than 80% accuracy.
- Feature selection was done by plotting heat map of all the features and reduced from 25 features to 12 features.

Correlation between Wildfire, Temperature and Vegetation
- Used more than 45GB of satellite data MODIS Terra V6 for wildfire, temperature and vegetation for time duration of 1 year for all the states of the US and transformed satellite data in form of HDF files to csv files.
- Analyzed and visualized the data of 1 year and found correlation between wildfire, temperature and vegetation by using pandas.

Idea Café
- Designed a web portal where people can submit their ideas and view other's ideas and also comment or give ratings. These ideas were arranged categorically. Any user with an account can post ideas or comment on other's ideas.
- This was developed as a part of state level Hackathon and competed with more than 200 teams, and this project was selected in the top 8 teams in the Grand Finale of the Hackathon.

Extra-Curricular Activities

- Volunteered to raise fund for Cancer Awareness Society by informing people about cancer.
- Runner's up in Athletics 100 meters Racing event held by school on secondary level.

- Volunteered for the decoration of the University for Techfest named XENESIS organized by my college in 2016 & also represented my college to other college for campaigning about same.