Akshara Sarfare

Address: Chicago, IL, 60607 | : (269) 548-5787
Email: aksharasarfare28@gmail.com | in: Akshara Sarfare | : Akshara2811

OBJECTIVE: Seeking a Summer Internship in the field of Data Analytics or Data Science with challenging and learning opportunities in an organization to leverage my analytical skills and grow my interpersonal skills which will in turn contribute to the company's growth.

EDUCATION:

University of Illinois at Chicago (UIC), Chicago, IL — ***May. 2023 (Expected)***
Master of Science in Management Information Systems — ***GPA: 3.88/4.0***
University of Mumbai, Mumbai, India — ***Awarded Oct. 2020***
Bachelor of Engineering in Electronics and Telecommunication — ***GPA: 8.04/10.00***

SKILLS:

Programming Skills: Python, R, Java
Databases: MySQL, PostgreSQL, MongoDB
Web Analytics Tools: Google Analytics
Visualizations Tools: Tableau, Power BI
Big Data: Hadoop, Hive, Spark
Other Skills: Machine Learning, NLP, AWS, Agile and Scrum, MS Office

EXPERIENCE:

Qtech Software Pvt. Ltd., Mumbai | Data Science Intern — ***Aug. 2020 - Jul. 2021***

- Performed Exploratory Data Analysis for data validation by writing SQL queries and Regular expressions to normalize and scale the data
- Identified the Data quality issues using Data profiling methodologies and updated data streamlining processes, resulting in 20% redundancy reduction
- Utilized Web scrapping technique to extract data from various websites, organized and streamlined the data which helped to optimize analysis
- Worked on Adhoc analysis requests by building visualizations in Tableau and Python (matplotlib, seaborn, plotly) to obtain and deliver actionable insights to the Data Science Team
- Built a user interactive dashboards and reports which provided meaningful insights to the business stakeholders for taking data driven decisions

MedTourEasy, New Delhi | Data Analyst Intern — **May. *2020 - Jul. 2020***

- Extracted two weeks of hospital electronic health record data to perform analysis on patients having a blood test report and patients who were given the intervenous antibiotics
- Merged the antibiotic data and blood culture data to obtain critical insights and rank patients who are candidates for severe infections
- Identified patients with severe infections using four criteria and developed a reliable method to determine patients who are septic which can be used by the hospital to develop machine learning models to predict patients who are likely to be septic

Bharat Petroleum Corporation Limited (R), Mumbai | Summer Intern — ***Jun. 2018 - Jul. 2018***

- Designed POC for a Project Management System for employees using languages HTML, CSS and JavaScript which was then used by the Project Mentor to develop the application further
- Integrated the MYSQL database using C# and created SPA using AngularJS as the frontend development framework

ACADEMIC PROJECTS:

COVID-19 Data Analysis and Prediction (Python) — ***May. 2021 - Jun. 2021***

- Leveraged Web Scraping technique to extract data from the website 'worldometer' using BeautifulSoup
- Analyzed COVID-19 cases and deaths around the world using python libraries (numpy, pandas, seaborn) to find trends and patterns of COVID-19 cases for various countries
- Predicted future cases for a week by applying Linear Regression model and optimized the metrics like RMSE and MAE after applying PolynomialFeatures

Twitter Sentiment Analysis (Python) — ***Apr. 2020 – May. 2020***

- Scrapped tweets off twitter through Twitter Developer API and applied text pre-processing techniques like tokenization & lemmatization for accurate sentiment classification
- Applied feature engineering techniques like Bag of words models, TF-IDF vectorization to extract important features
- Used cosine similarity to cluster tweets which have similar sentiments
- Applied Naive-bayes model and linear models to build an ensemble model with accuracy of 88%

Stock Market Data Analysis (Python) — ***Jan. 2019 - May. 2019***

- Analyzed the stock prices of the tech giants and the risk of those stocks based on previous performance history
- Displayed various plots and created visualizations using heatmap, scatterplots, histogram to analyze correlation between the different stocks' closing prices and stocks' daily returns
- Calculated the moving average in pandas to smooth out the price data over a specified period
- Utilized the bootstrap method to calculate risk and predicted future stock prices using Monte Carlo Method