

EXPERIENCE

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| Data Analyst | Worldwide Technologies, India | Jan 2020 – May 2020 |
| <ul style="list-style-type: none">Analyzed data on revenue, compensation, profit and risk from different dimensions and developed predictive models for the calculation and tracking of the company's total revenue and improved forecast accuracy by 20%.Delivered interactive Tableau Dashboards showing trends of various KPIs and resulting in 17 % increase in the total revenue with the help of these insights. Used data mining techniques to study the data and reduced the cost by 15 %. | | |
| Graduate Teaching Assistant | UNC Charlotte, NC | Jan 2020 – May 2020 |
| <ul style="list-style-type: none">Analyzed and built Machine Learning models using Python, XLMiner and SAS Tools and assisted in the preparation of new teaching materials, grading assignments according to university standards. | | |
| Data Engineer Intern | Object One Information Systems | May 2017 – Sep 2017 |
| <ul style="list-style-type: none">Established a Database on the Leave Management Framework and introduced additional functionality such as report creation, leave-transactions using MySQL. Connected the requested data to the Front-End Application.Collect and analyze details on vulnerabilities. Maintained the SQL Server. | | |

SKILLS

- Languages:** Python, SQL, Java, C++, C, JavaScript, HTML5, CSS, R.
- Tools:** Jupyter, XLMiner, WEKA, Orange, AWS, Tableau, PowerBI, IBM Watson, SAS Miner.
- Databases:** MySQL, MongoDB, Oracle, Python MySQL.
- ML Skills:** Clustering, Regression, Classification, Decision Tree, Sentiment Analysis, K-Means, K-NN Classifier, Naïve Bayes, TextBlob, NLTK, TensorFlow, Keras, Scikit Learn, Data Mining, Pattern Analysis, Data Visualization, ETL.
- Certifications:** IBM Data Science Certification, KPMG Virtual Internship, Power BI, Tableau 10, Python, Salesforce.

PROJECTS

- Analysis of Airbnb Data:** Built a model to predict the price of Airbnb listings using a very large dataset. Used Multiple Linear Regression, XGBoost, Random Forest Regression and Autoencoder neural networks to train the data and achieved an accuracy of over 99.7%.
- Battle of Neighborhoods:** Built a model to evaluate and recommend neighbourhood areas for people leaving communities and looking for new areas to stay in. Used the Foursquare API to get the specifics of the facilities near the neighbourhoods. Performed regional clustering to classify neighborhoods with decent services at fair rates.
- Analysis of Graduate Admissions:** Pre-processed and cleaned the dataset using XLMiner, Python and the Exploratory Analysis to form the study hypothesis using the Visualization Tableau. Applied predictive analytics models using the scikit-learn Python Library to determine the chance of admission to a graduate school.
- Sentiment Analysis of Tweets:** Extracted tweets using the Tweepy API and cleaned them using NLTK library lemmatization and stemming. Used Tensorflow and NLP techniques to construct a model and plot feelings using python libraries such as seaborn, matplotlib, plotly and ggplot.
- Financial Data Analysis using Power BI:** Clean data using Data View and use advanced DAX functions to efficiently modify the data. Built relationships between different datasets and designed highly interactive, visual and layered KPIs and charts to show trends in sales, revenues, profits and costs incurred.
- Tableau Dashboards:** Visualized Bird Crashes and Corona Virus dataset to identify trends in past data and newly evolving virus data. The annual distribution of bird crashes across the USA and the relationship between weather, aircraft type and bird species have been identified. Analyzed the distribution of Covid 19 across the United States.
- E-Store Web Application:** Implemented the MVC architecture and designed the responsive UI using the MEAN stack and used the NoSQL design for data handling. Hashed and salted passwords for secure login and used RESTful APIs like Facebook for login and credit card payment.

EDUCATION

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| UNC Charlotte | Charlotte, NC | Aug 2018 – May 2020 |
| <ul style="list-style-type: none">Master of Science in Computer Science, GPA: 4.0 | | |
| Osmania University | Hyderabad, India | Sep 2014 – May 2018 |
| <ul style="list-style-type: none">Bachelor of Engineering in Computer Science, GPA: 3.6 | | |