Akshara Gone

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Education

**University of North Carolina Charlotte	Charlotte, NC, USA**	*Aug 2019 - Present*
Master of Science in Computer Science, GPA: 4	Expected graduation, May 2021

**JNTUH College of Engineering Jagtial	Karimnagar, INDIA**	*July 2015 – May 2019*
Bachelor of Technology in Computer Science, GPA: 3.75	

Technical Skills

Programming Languages: Python, Java, C++, C, JavaScript, PHP

Databases and Data Analysis tools: MYSQL, NOSQL, MongoDB, Tableau

Web Technologies and Frameworks: HTML, CSS, JavaScript, Bootstrap, PHP, NodeJS, ReactJS, Express

Software and Tools: Git, Linux, Windows, Atom, NetBeans, Anaconda, PyCharm, Visual Studio, Android Studio

Work Experience

University of North Carolina Charlotte, NC, USA - Teaching Assistant   **Jan 2020 – Present**

- Currently Working as a Teaching Assistant for Design and Implementation of Databases course, consisting of 80 students.

Smart Bridge Educational Services Private Limited, Hyderabad, INDIA - Summer Intern   *June 2018– Aug 2018*

- Developed a predictive machine learning model using KNN classification, SVM and Decision Tree Classifier, which predicts if a person is willing to buy a bike or not based on their details like Income, Age, Number of Vehicles owned, Commute Distance etc.
- *Technologies/Tools used*: Anaconda Jupyter, Python, Numpy, Scikit-Learn, Scipy, Pandas, Matplotlib.

InternShala - Winter Trainee   *Dec 2017 – Jan 2018*

- Designed an e-commerce website, where a customer can order products listed on the website. Implemented functionalities like Product Search, Wishlist, Product Checkout etc. Product and User details are stored in the database, designed using MySQL.
- *Technologies/Tools used:* HTML, CSS, Bootstrap, JavaScript, PHP, MySQL, WAMP.

Academic Projects

Responsive Website for a Restaurant using React.js (Front End)   *Jun 2020 – Aug 2020*

- Developed a Responsive Website for a restaurant with APIs where users can explore menu, check and write reviews about various dishes, submit user information to be contacted etc. React Components, React Router, React Forms, SPA's, Redux architecture, Redux actions, Thunk, Client-Server Communication and React Animations are used.

Data Visualization and Analysis of TED talks dataset in Tableau   *Jan 2020 – May 2020*

- Performed some data analysis tasks in Tableau on TED talks dataset, to find out the most common occupation of the popular speakers, Popular TED event till date, Popular talk with highest number of views, Popular speaker based on comments etc.

AFG Career Meetups Website using Nodejs, Express and MongoDB   *Jan 2020 – May 2020*

- Developed a Responsive Website for a career meetup company with APIs where users can explore various career meetups, create account, book for events and maintain event cart for future events using Node.js, MongoDB and used JSON with jQuery for data request and response processing
- Technologies & Tools used were Node.js, Express, HTML5, CSS, Bootstrap, jQuery, MongoDB, GIT.

New York Airbnb Recommendation System   *Oct 2019 – Dec 2019*

- The project focuses on analyzing NYC Airbnb dataset, to recommend an Airbnb to the customer based on the location, price range, guests experience (reviews) and other related features of the Airbnb.
- Five stages of this project include – Data Collection; Data pre-processing; Exploratory Data Analysis; Building the Machine Learning models; Evaluating the model performance.

Comparative Analysis of Deterministic sorting Algorithms   *Feb 2019 – Apr 2019*

- Implemented a comparison analysis of different sorting algorithms (quick sort, merge sort, Bubble sort, Insertion sort) on different datasets (small to large)
- Retrieved the runtime of sorting algorithms under different conditions (random numbers, sorted numbers, reverse sorted numbers) and visualized the same to determine which algorithm performs better with different variety of data.

Certifications & Achievements

- Achieved Gold Medal in High School for being one of the Top 5 All-Rounder Students.
- Received 'Google Udacity Scholarship' in 2018. It offered free Python certification course on Udacity learning platform.
- **DataCamp Certifications –** Introduction to data science in Python, Data Cleaning and Preprocessing, Machine Learning.
- **CourseEra Certifications –** Front-End Web Development with React, Programming in python, Data Visualization using Tableau.