CHANDAN KUMAR REDDY MANNEM

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TECHNICAL SKILLS

Programming Languages	Java, Python, SAP ABAP, C++.
Web Technologies & Frameworks	Django, HTML, CSS, JS
Databases	Oracle, MySQL, PostgreSQL, HANA
IDE's & Notebooks	Jupyter Notebooks, Apache Zeppelin, SAP Net Weaver, Eclipse.
Cloud Platforms	IBM cloud, SAP HANA cloud, Amazon web services
Others	Windows Azure, GitHub, JIRA, Agile, Scrum, SDLC
Courses Completed	Data Structures & Algorithms, Intelligent Systems, Software System Design & Imp
Currently Learning	Machine Learning, Computer Vison, Big Data , Cloud Computing

ACADEMIC EDUCATION

Pursuing Master of Science in Computer Science   **Charlotte, US**
UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE.   **GPA:** 4.0/4.0   **January 2020 – May 2021**

- Emphasis: Data Structure and Algorithms, Software Systems design and development, Python, Java

Bachelor of Technology in Computer Science   **Punjab, India**
LOVELY PROFESSIONAL UNIVERSITY   **GPA:** 7.54/10   **August 2013 – May 2017**

- Emphasis: Data Structures and Algorithms, Object-Oriented Design - Java, Database Systems.

PROFESSIONAL EXPERIENCE

Research Assistant   **Feb 2020 to May 2020**
University of North Carolina at Charlotte (4 Months)   **Charlotte, US**

- This research put forth a data-driven methodological framework to quantify the effect of rainfall and visibility conditions on travel time reliability (TTR) by considering selected road segments from the state of North Carolina, USA.
- This framework includes capturing, processing, and integrating weather-related information and travel time data for the selected roadway segments.
- The results from this research are useful for transportation system managers and planners to manage the traffic under different weather conditions.
  Emphasis: Python, Jupyter Notebook

Associate Consultant (2 Years 6 months)   **June 2017 to December 2019**
Capgemini   **Mumbai, India**

- Built HR management chatbot application using Amazon Lex & Kore.ai. Build a lambda functions in node.js and integrated it with backend SAP SuccessFactors.
- Worked as an SAP ABAP developer where the motive to develop a single integrated digital solution that can collect the country's taxes and handles its revenue.
- Developed different tax forms and statements using webdynpro and adobe forms.
- Introduced new coding standards and best practices to software development team to enhance product definition and application customization.

ACADEMIC PROJECTS

Conference Management System (Python, Django)

- A web solution to manage conferences where abstract and article to the conference are submitted online, papers are reviewed and finally articles are selected to publish in the conference.
  Keywords: Python, Django, PostgreSQL

Café Chat (Java, Java FX)

- Created a standalone application based on Intra Network where we can Chat, Call and Share the Files, Share emoji with users who are connected to the application over the network.
- No Database needed since it is on-demand connectivity and all the data sent is valid only for a particular session and having an end to end security.

Twitter Analysis

- By using Flume tool, I moved live streaming data to HDFS by giving some special keywords, analyzed how many times tweets are retweeted and how many are discussing that topic in terms of positive and negative.

The Battle of Neighborhoods (IBM Watson studio, Data Science, Python)

- In this project, we scraped the Wikipedia page, wrangled the data, cleaned it and converted it into a structured format.
- Once the data is in a structured format, we used foursquare API to fetch all the customer preferred venues within a 500 meters radius, After fetching all the data we explored it to get the most common venue and applied k-means clustering algorithm to cluster the data.
- Finally, we used the Folium library to visualize the neighborhoods in Mumbai city and their emerging clusters.