NAAGA PRANATHI VUTUKURI

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EDUCATION

UNIVERSITY OF TEXAS AT DALLAS   Richardson, TX
Master of Science in Computer Science, GPA: 3.4/4.0   May 2024
- **Relevant Coursework:** Object-oriented programming with Python, Data Management, System Analysis & Project Management, Agile Project Management, Data Visualization, Customer Relationship Management with Salesforce, Data Warehousing, Organizational Behavior, Innovation & Entrepreneurship

JNTUH COLLEGE OF ENGINEERING   Hyderabad, India
Bachelor of Technology in Information Technology, CGPA: 7.2/10   Jul 2021

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, HTML, CSS, SQL, C, C++, PHP, PySpark, XML.
Databases: SQL Server, MongoDB, No SQL Server
Tools & Technologies: AWS, Azure, Pandas, NumPy, Matplotlib, SDLC, ETL, Power BI, Tableau, Excel, RASA, Django, React, Hibernate, AJAX, RESTful APIs, Express.js, Jenkins, Kubernetes, Git, Kafka, Distributed Computing, Hadoop, Databricks.

EXPERIENCE

ARTENTHUSE   Dallas, TX **Data Analyst - Python, Power Bi, SQL, Tableau, Spark, Jupyter, SDLC**   Jan 2021 - Jul 2022
- Used Python (Pandas, NumPy, Matplotlib) for data cleaning and analysis, revealing customer behavior trends from large datasets.
- Implemented Spark and PySpark solutions for big data processing, reducing large-scale dataset processing time by 40%.
- Performed exploratory data analysis with Jupyter, driving data-informed strategies across the SDLC through cross-functional collaboration.
- Optimized SQL queries for ETL processes, boosting data pipeline efficiency by 30% and ensuring downstream data accuracy.
- Created interactive Power BI and Tableau dashboards, improving decision-making efficiency by 25% through actionable data insights.

ARDIZEN ARTWORKS   Dallas, TX
Data Analyst Intern - SQL, Tableau, Excel, ETL   Jan 2019 - Apr 2019
- Developed, managed databases that support performance improvements activities and converted business objectives to analytical problems.
- Worked Cross functionally throughout the organization to maintain the integrity of the database.
- Performed data query, extraction, compilation and reporting tasks. Applied various excel functions to aggregate data.
- Visualized the data into various charts to understand the trend, patterns and correlations using tools such as Tableau.
- Experienced in writing SQL queries for data retrieval and transformation.

PROJECTS

Onyx Center Source AI Chatbot - Python, Django, RASA, My SQL, Tableau
- Developed and integrated a RASA-based AI chatbot for GroupPay, increasing profits by 40% through improved data collection efficiency.
- Implemented database storage for all chatbot interactions, enabling ongoing analysis and continuous accuracy improvements.
- Visualized interaction data using Tableau and enhanced chatbot performance through in-depth conversation analysis and model fine-tuning.

Spoonful of Hyderabad - HTML, CSS, Bootstrap, JavaScript and XML
- Developed a digital marketing website for food bloggers where I designed and built the website.
- Our website helped them garner more followers on social media and provided them new business opportunities.

Ecostructive - Python, Django, MySQL, HTML, CSS, Power BI
- Created a web app for waste management, allowing user-specific garbage collection requests and predictive modeling for trend forecasting.
- Utilized Power BI dashboards to gain operational insights, optimize routes, and reduce costs in waste management processes.
- Implemented subscription models and targeted advertising to ensure financial viability while streamlining recycling through authorized collection teams.

eCompare - Web Scraping, Machine Learning for Voice Recognition and Text based search, MySQL, HTML, CSS
- Created a web app for waste management, allowing user-specific garbage collection requests and predictive modeling for trend forecasting.
- Utilized Power BI dashboards to gain operational insights, optimize routes, and reduce costs in waste management processes.
- Implemented subscription models and targeted advertising to ensure financial viability while streamlining recycling through authorized collection teams.

CERTIFICATIONS

AWS Certified Cloud Practitioner
Salesforce Certified Administrator
SQL for Data Science