

Siva Chandra Kakarlapudi

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Data Science Graduate with strong skills in data analysis, visualization, and machine learning. Experienced in working with various datasets to build models, run statistical tests, and create insights. Proficient in Python, SQL, and key data science tools. Eager to learn and apply my skills to solve real-world problems.

EDUCATION

Montclair State University (MSU) , Montclair, NJ	Sep 2022 – May 2024
Master of Science in Data Science	GPA: 3.912
Andhra University , India	Aug 2016 – May 2020
Bachelors in Electrical and Electronics Engineering	GPA: 3.67

COURSEWORK

- Statistics for Data Science
- Exploratory Data Analysis & Visualization
- Machine Learning
- Data Mining
- Big Data Analytics
- Python for Data Science

TECHNICAL PROFICIENCIES

Languages: Proficient: Python, SQL, PySpark

Libraries: Numpy, Pandas, Scikit-Learn, Matplotlib, Seaborn, PyTorch

Tools: PostgreSQL, Tableau, Excel, Docker, Git, Databricks

Cloud: AWS

WORK EXPERIENCE

- Research Assistant – Montclair State University Oct 2023-Present
- Created comprehensive reports using university-provided student performance data to identify key trends for academic decision-making.
 - Conducted data cleaning, analysis, and visualization using SQL, Excel, and Tableau to generate actionable insights. Analyzed metrics such as grades, attendance, and engagement, providing recommendations that informed curriculum adjustments and resource allocation.
 - Collaborated with faculty to tailor data visualizations for stakeholders, enhancing the impact of data-driven educational strategies.
 - Integrated state-of-the-art language models like GPT-3.5 and Llama2 through Convai AI into non-player characters (NPCs) for the character education project in Unity.
 - Built immersive VR environments in Unity for lab projects, contributing to interactive, educational experiences.
 - Delivered a working prototype that showcased AI-driven personalized education and real-time feedback in virtual learning environments.

PROJECTS

Youtube Channel Data Analysis

- Conducted a comprehensive analysis of a YouTube channel's data to evaluate content performance, audience engagement, and sentiment trends. Extracted data from Youtube using the YouTube Data API, focusing on key metrics such as views, likes, comments

Income Level Classification Using PySpark

- Developed a classification model to categorize individuals into high and low-income levels using various machine learning algorithms in PySpark. Performed comprehensive data preprocessing and transformations, including data cleaning, feature engineering, and normalization to prepare the dataset for modeling.

CERTIFICATIONS

- Data Analysis with Python – DataCamp
- Data Analyst Associate with SQL – DataCamp
- AWS Data Engineer Associate
- AI Fundamentals - DataCamp
- Introduction to Statistics – Coursera
- Associate Data Engineer in SQL- DataCamp