

ESWARA SAI SUMANTH MAMIDI

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EDUCATION

University of North Carolina at Charlotte, North Carolina

August 2022 – May 2024

Master of Science, Data Science and Business Analytics

CGPA: 3.9

Relevant Coursework: Applied Machine Learning, Big Data Analytics, Database Management Systems, Business Intelligence and Analytics, Artificial Intelligence and Deep Learning, Cloud Computing

TECHNICAL SKILLS

Programming Languages: Python, C, C++

Data Manipulation and Analysis: SQL, SQLite, Python (pandas, NumPy), R

Data Visualization: Tableau, Power BI, Streamlit, VegaLite

Statistical Analysis and Modelling: Regression, Classification, Clustering, Time Series Analysis, Text Analysis

Tools and Software: Jupyter Notebook, Rstudio, Streamlit Cloud, GitHub, MATLAB, SAS

Cloud: AWS

WORK EXPERIENCE

Healthcare Data Analyst

February 2024 – Present

Camino Health Center

- Designed and implemented a predictive model to identify pre-diabetic patients at risk of diabetes, leveraging machine learning techniques with Python to enable early intervention and improve patient care outcomes.
- Engaged in the data migration from the old IBM Cognos platform to the new EPIC platform, ensuring data integrity and a seamless transition.

Graduate Research Assistant

August 2023 – May 2024

University of North Carolina at Charlotte

- Led the development of a sophisticated review analysis model, utilizing deep learning methods to identify and predict Yelp restaurant trends around the presidential debates in 2012 and 2016.
- Implemented and fine-tuned BERT and ALBERT based models to analyze sentiments and perform semantic similarity analysis, enabling deeper insights from Yelp restaurant reviews.
- Leveraged advanced NLP techniques and unsupervised learning to derive meaningful insights and patterns, enhancing understanding of trends and thematic patterns within large datasets.

Data Analyst

July 2021 – July 2022

Accenture Solutions Pvt Ltd, Hyderabad, India

- Developed visual reports, dashboards, and KPI scorecards using Power BI desktop for a major Oil and Resources Company, driving data-driven decision-making, and enabling real-time performance monitoring across 10+ teams, Reducing the downtime by 15%.
- Conducted data analytics to extract meaningful insights and generate actionable reports for team members and stakeholders.
- Collaborated with cross-functional teams, assisted in data gathering, manipulation and interpretation of data from sources.
- Designed a comprehensive Power BI dashboard by formulating KPIs that helped stakeholders in minimizing failures and maintenance time for instruments by 25% and increase the production.
- Engaged in data cleansing using SQL; increased the performance of the dashboard.

Data Science Intern

April 2020 – June 2020

Knowledge Solutions India

- Leveraged Python to extract, clean, and analyze complex data sets, empowering in-depth exploratory data analysis that revealed actionable insights, leading to process improvements and optimization.
 - Adopted machine learning and deep learning techniques (keras) to build a model with 95% accuracy.
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PROJECTS

Customer Segmentation and Analysis, Strategic Business Analytics:

- Employed cluster and regression analysis techniques to analyze the online retail dataset, utilizing supervised learning methods in R Programming; enabled data-driven decision-making, leading to a 30% boost in customer lifetime value.
- Analyzed and interpreted data on consumer behavior, attitudes, and demographics to provide insights and support decision-making processes.

Interactive Dashboard on Suicide Data, Visual Analytics: [Project](#)

- Created an interactive dashboard in Tableau and Streamlit on worldwide suicide data, then utilizing data visualizations to describe the data to produce insightful conclusions.
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CERTIFICATIONS

- AWS Certified Cloud Practitioner (CCP)
- Microsoft MTA: Introduction to Programming using Python
- Statistics for Data Science from UNC Charlotte