

CHAITANYA TILAK KAMINENI

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EDUCATION

Master Degree in Business Analytics (STEM) 3.5 GPA

August 2023 – December 2024

Iowa State University, Ames

Coursework: Data Visualization, Machine Learning, Statistical methods and applications, Data Wrangling

Bachelor of Technology in Data Science and AI 3.23 GPA

August 2019 – June 2023

ICFAI Foundation for Higher Education, India

Coursework: Data Structures and Algorithms, Machine Learning, Data Analytics

SKILLS

- Data Wrangling : SQL, Microsoft Excel, Pandas, Numpy
- Data Visualization : Tableau, Power BI, Matplotlib, Seaborn
- Programming : Python, R, SQL
- Tools/Framework : Azure Databricks, Jupyter
- Machine Learning: TensorFlow, Scikit-Learn

PROFESSIONAL EXPERIENCE

Wiki Kids Pvt Ltd.

Web Data Integration Intern

January 2023 – June 2023

- Spearheaded a team of 10 in overhauling the company website, enhancing user experience and increasing site functionality by 40%, which led to improved engagement and performance metrics.
- Integrated 15 components into the site using advanced SQL queries, enhancing functionality and user experience. Worked with teams and management to ensure a successful, timely launch.

ACADEMIC PROJECTS

Anomaly Detection for Digital Meters(Master's Capstone Project)

- Partnering with MidAmerican Energy on a capstone project to design and implement a machine learning model for detecting anomalies in digital meters, with the goal of optimizing operational efficiency by expediting responses to anomalies in energy usage data.
- Leveraging advanced data analytics techniques to extract patterns and identify irregularities in digital meter readings while driving the development of a robust predictive model.

European Restaurant Market Analysis utilizing Azure Data Explorer

- Spearheaded a comprehensive data analytics project to analyze a vast dataset of 840,914 European restaurants, aiming to uncover actionable insights into market trends and consumer preferences.
- Employed Azure Data Explorer to optimize data ingestion, storage, and complex querying processes, enhancing the speed, scalability, and efficiency of data processing operations for large-scale datasets.
- Leveraged Azure Machine Learning to develop robust predictive models, providing in-depth market analysis and forecasting potential growth areas within the restaurant industry for strategic decision-making.

University Rankings Analysis in R

- Conducted an exhaustive statistical analysis of the Times Higher Education University Rankings 2024 using advanced linear and logistic regression models in R, uncovering significant trends and insights.
- Applied predictive modeling techniques to forecast overall scores and categorize the top 50 universities based on research scores, faculty quality, student satisfaction, and key performance metrics.
- Leveraged advanced statistical methods to derive actionable insights into university rankings, enhancing understanding of critical factors influencing academic and research excellence.

CERTIFICATIONS

- Google Advanced Data Analytics Certification (Coursera)