Jayateja Vanamu

Master of Science in Advanced Data Analytics

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SUMMARY

I hold a Master's degree in Advanced Data Analytics and possess a Bachelor's degree in Mechanical Engineering. I am enthusiastic about leveraging my strong analytical capabilities, proficiency in statistics, and comprehensive programming skills to enhance data-driven decision-making and address critical organizational and product challenges in a data analyst role.

Internship Experience

Basicline Consultancy

Business and Data Analyst Intern · Hyderabad, India · 2021

- Worked with business to document requirements for data cleansing and data load for employee data. Worked with the development team to cleanse the data and load the employee data. The technologies used were Excel, Java, HTML, Oracle Database and SQL.

PROFICIENCY

- **Python (NumPy, Pandas, Scikit-Learn), R, SQL, Tableau**
- **Machine Learning: Regression, classification, Clustering, Neural Networks**

COURSEWORK

- Advanced Statistical Analysis
- Harvesting, Storing, and Retrieving Data
- Discovery and Learning with Big Data
- Data Visualization and Interpretation
- Data Analytics
- Applications and Deployment of Advanced Analytics
- Advanced Database Projects
- Data Mining and Pattern Recognition
- Systems and Information Integration

PROJECT WORK

Customer Churn Prediction (Master's Thesis)

- Developed a predictive model to identify potential customer churn for a telecom company using machine learning algorithms.
- Achieved a 90% accuracy rate, resulting in a 15% reduction in customer churn.

Market Basket Analysis

- Analyzed customer transaction data to identify purchasing patterns and generate product recommendations.
- Implemented the Apriori algorithm to discover frequent item sets and association rules.

Sentiment Analysis on Social Media Data

- Conducted sentiment analysis on Twitter data to gauge public sentiment towards a product launch.
- Utilized natural language processing techniques to classify tweets as positive, negative, or neutral.

Phishing URL Detection

- Trained a model to detect if a given URL is spam.
- Utilized libraries in Python to train the model

Home Automation (IOT)

- Developed a working model that contains a fan, a socket and a light which can be controlled using any web browser.
- Arduino Boards and ESP were used in the making process.

EDUCATION

- **University of North Texas · Denton, TX · 2023**

  Master of Science in Advanced Data Analytics

- **BV Raju Institute of Technology· Hyderabad, India · 2022**

  Bachelor of Engineering in Mechanical Engineering

SKILLS

- Regression Analysis and ANOVA (Analysis of Variance)
- Data Visualization: Power BI, Tableau
- Big Data: Hadoop, Spark
- Advanced Database Management Concepts
- Programming Languages: Python (with advanced skills in Pandas, NumPy), Java, R
- Database Languages: MySQL, PL/SQL
- Data Warehousing: Data Cleansing, ETL (Extract, Transform and Load)
- Advanced Excel and PowerPoint

CERTIFICATIONS

- Advanced Google Analytics
- Tableau Data Analyst
- Python+SQL+Tableau