VENKAT DHULIPALLA

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CAREER PROFILE

Results-driven graduate student pursuing a Master's in Computer Science Specializing in ETL processes, database design, and GCP application development. Proficient in SQL, Python, Pyspark, with expertise in Big Data and Cloud architecture. Skilled in query optimization, data pipeline development, and collaborative problem-solving. Committed to leveraging technical skills for impactful contributions in health care innovation.

TECHNICAL SKILLS

Programming Languages:	JAVA/J2EE, Python
Data Analysis and Libraries:	Pandas, Numpy, Scikit-learn
Web Development:	ReactJS, HTML, CSS, JavaScript
Tools:	Tableau, Power BI, Git, QlikView, MS Office (Microsoft Office Suite)
Frameworks and Technologies:	Spring Framework, Docker, Postman, Linux,AWS (Beginner)
Development and IDEs:	VScode (Visual Studio Code), Visual Studio, SQL Server, Microsoft Excel (including VLOOKUP and Pivot),
Databases:	MySQL, MongoDB, CosmosDB, PostgreSQL

EDUCATION

UNIVERSITY OF NORTH TEXAS M.S in Computer Science — Expected May 2024
Relevant Coursework: Software Engineering; Analysis of Algorithms; Scientific Data visualization, Machine learning.

OSMANIA UNIVERSITY B.E in Electronics and Communication — Jul 2017- Jul 2021
Relevant Coursework: Database management System; Computer Networks; Programming
Student Orgs : IEEE(Chairman), Street Cause - NGO

WORK EXPERIENCE

Research & Teaching Assistant | University of North Texas |

- Facilitated learning in CSCE 5300, covering a broad spectrum of topics including an overview of Big Data and Data Science, technical challenges, computational approaches, and practical applications.
- Developed and implemented 15+ supervised and unsupervised models, resulting in a 20% improvement in predictive accuracy.

Full Stack Engineering Analyst | Accenture Solutions |

- Demonstrated expertise in Spring Boot and Angular, contributing to the development of 3 robust and scalable applications.
- Played a key role in designing the architecture of a new application that scaled from 0 to 100,000 daily active users, resulting in improved efficiency and user experience. Developed and maintained scalable, high-performance RestAPIs, incorporating industry best practices and standards.

PROJECTS

Churn Prediction Web Application: [Github]

- Engineered the Flask back-end, improving prediction accuracy by 15%, and implemented proactive churn detection measures, achieving a 20% success rate in identifying potential account closures.
- Achieved an impressive 90% accuracy rate in predicting customer churn, improving the bank's ability to retain customers.
- Deployed the Churn Prediction Web App on Amazon Web Services (AWS), leveraging scalable cloud infrastructure to ensure high availability and seamless user experience.

Credit Card Fraud Detection: [Github]

- Analyzed data to identify patterns and anomalies in 50,000 daily transactions.
- Optimized models, achieving a 15% increase in fraud detection accuracy.
- Processed and analyzed a daily volume of 100,000 transactions, ensuring system efficiency.

United States Motor Vehicle Collisions Dashboard: [GitHub]

- Developed and deployed an interactive Streamlit dashboard providing insights into motor vehicle collisions, allowing users to explore injuries, collisions by hour and minute, and identify high-collision cities.
- Engineered the dashboard using Python, Streamlit, Pandas, NumPy, Pydeck, and Plotly Express