

VENKAT DHULIPALLA

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CAREER PROFILE

Proficient software engineer specializing in Python, Java, and SQL. Well-versed in programming fundamentals, data structures, and algorithms. Dedicated to delivering superior software products through effective collaboration within team environments. A quick learner with a sharp eye for detail..

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), AWS (Beginner)
Databases:	MySQL, MongoDB, CosmosDB, PostgreSQL, AWS (Beginner)

EDUCATION

UNIVERSITY OF NORTH TEXAS M.S in Computer Science Expected May 2024
Relevant Coursework: Data Analysis, Software Engineering; Analysis of Algorithms; Fundamentals of DB; 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.
- Utilized Python to develop and implement 15+ supervised and unsupervised models. Conducted comparative analysis of 10+ challenger models, resulting in a 20% improvement in predictive accuracy.
- Assisted in teaching a class of 50 students in Data Visualization and Communication, covering SQL, Tableau, Power BI, and Python Pandas.

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: [\[Github\]](#)

- Developed and launched a Churn Prediction Web App, incorporating [10] feature enhancements over [6 months].
- 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.

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.

Personal Portfolio Website: [\[Github\]](#)

- Developed a dynamic and visually appealing personal portfolio website using HTML and CSS.
- Prioritized user-centric design with intuitive navigation for a seamless user experience.