

VENKAT DHULIPALLA

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CAREER PROFILE

Innovative Software Engineer and Full Stack Developer, adeptly navigating the Java/J2EE and Python domains to architect robust applications and lead transformative data analyses, ensuring unparalleled project success. Passionate about pushing technological boundaries to deliver cutting-edge solutions that redefine industry standards..

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: 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 | Sept 2021 - July 2022

- 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.

Programmer Analyst Trainee Internship | Cognizant Solutions | April 2021 - June 2021

- Spearheaded the development of dynamic and scalable web applications using Java Spring Boot, showcasing a deep understanding of backend technologies and microservices architecture.
- Collaborated with cross-functional teams to design, implement, and optimize RESTful APIs, ensuring seamless communication between different components of the application.
- Utilized React JS to create responsive and user-friendly front-end interfaces, incorporating modern design principles and enhancing overall user experience.

PROJECTS

IPL Data Marvel : [\[Github\]](#) [\[Demo\]](#)

- Developed IPL Dashboard, a full-stack application for IPL team data.
- Implemented backend using Spring Boot, Spring Batch, and HSQL DB for efficient data processing.
- Created dynamic user interfaces with React JS, ensuring an engaging user experience.
- Deployed backend on AWS EC2 instances, optimizing scalability, and utilized S3 for multimedia storage

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.