

Sri Charan Bodduna

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EDUCATION

University of North Texas M.S. in Advanced Data Analytics	01/2023-12/2024(expected) Denton, Texas
Osmania University B.S. in Electronics and Communication Engineering	07/2015-06/2018 Hyderabad, India

EXPERIENCE

Diversifying Human-Centered Data Science through the Research & Design of Ethical Games [GitHub Link](#)
Programmer – On-campus Part-time, University of North Texas 09/2023-01/2024

- Built University of North Texas and University of Washington collaboration ethical data science model assessment game to test the AI models with different businesses and understand the performance.
- Created test models and visualizations to measure model performance and assessment using Python for modeling, Construct3 Engine for game and JavaScript (d3js) for visualizations. Assisted in writing research paper for the project on my work about programmer and AI modeling.

Vodafone Intelligent Solutions (_VOIS) 04/2021-12/2022
Senior Executive Pune, India

- Worked as an Alteryx admin & developer (v2019.1 to 2023.3) supervising 5 servers and 600+ workflows under Vodafone Group that helped company to adapt new ETL pipelines. Managed users, workflows, collections, and DBMS data connections on servers.
- Accomplished Profits forecasting as measured by gross profit, trends, and sales performance by doing TensorFlow DL models and Time-series analysis.
- Built inhouse workflows as measured by triggers, health checks and logs by creating real-time monitoring flows which are automated based on Python.
- Played a key role in the team by orchestrating in task planning, assignment and retrospection which helped in achieving team success and can be able to deliver on-time.
- Moderated stakeholders and technical team for requirement analysis and refinement that helped in improving communication and project management skills.

Infosys Ltd. 11/2018-04/2021
Systems Engineer Hyderabad, India

- Built Data Quality application from scratch as metrics measured by completeness consistency, validity, conformity using Alteryx and Python (spaCy) works as plug-n-play and pipeline for HSBC client.
- Developed an application which can measure data quality for 10 million rows and 500+ columns using Alteryx and it's server capabilities.
- Exposed API functionality for the application that can be used by other teams to measure data quality in their source data using Alteryx, Java, Python and Spring Boot.

PROJECTS [complete list](#)

Dallas Crime Analysis Reporting using Tableau. [GitHub Link](#)

Developed an eye-catching data visualization on city of Dallas police arrests. I have found that yearly crime rate in the city is dropped by **20%** in 2023. Arrests are **100%** higher at nights vs. afternoons on weekends.

Heart Attack Prediction System using classification algorithm. [GitHub Link](#)

Built the predictive ML models that predict whether a patient prone to heart attack. We achieved same Accuracy score of **81%**, **92%** recall rate and **82%** precision for decision tree model.

SKILLS

Programming Skills: Linux, Python, JavaScript, Java/J2EE, C/C++, C#, R, Go, Data Structures and Algorithm, HTML, CSS, DevOps, Jenkins, Kubernetes, Docker

Big Data and AI Skills: Mathematics, Artificial Intelligence, R, Scala, Generative AI, Hadoop, Spark, Glue, MapReduce, Hive, Pig, Alteryx, Statistical Modeling and Hypothesis Testing, Predictive Modeling, Regression, Random Forests, Algorithms, SAS, Data Visualization (Tableau, Qlik, PowerBI), ETL, Data Warehouse, Data Lake, Machine Learning, Deep Learning, D3js, libraries: Matplotlib, SciPy, Scikit-Learn, Seaborn, TensorFlow, HuggingFace etc.

Frameworks: Flask, Django, Spring Boot, Angular, React, Streamlit, Git, GitLab, RESTful API Services,

Cloud Skills: Google Cloud Platform (GCP), Microsoft Azure, Amazon Web Services (AWS)

Databases: Database Design, SQL, PostgreSQL, NoSQL, MongoDB, BigQuery, CloudSQL, CosmosDB, Azure SQL, Redshift

Core Competencies: Agile, Insurance, Audit, Sales and Profit Growth, Enterprise Risk, Documentation, Research and Design, Innovative, Critical Thinking, Problem Solving, Quick Learner and Adaptability, Communication, Productivity

AWARDS/CERTIFICATIONS

- Vodafone Star Award for exceptional work in the team at _VOIS, 07/2021.
- Alteryx Designer Core Developer Certified, 08/2022-08/2024.