SRI CHARAN BODDUNA

Denton, TX | 945.446.6133 | sricharan1024@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

WORK EXPERIENCE

University of North Texas – Programmer | *Denton, TX*   **September 2023 - January 2024**
- Developed an ethical data science **model assessment game** in collaboration research project with **16%** improvement in understanding the ethical implications of AI deployments.
- Implemented test **ML models** and **visualizations** using Python, and JavaScript (d3js), leading to a **14%** increase in performance accuracy assessment & facilitated creation of an interactive game.

Vodafone Intelligent Solutions (VOIS) – Data Scientist | *Pune, India*   **April 2021 - December 2022**
- Delivered **$29k** in savings by uncovering balance sheet disparities through TensorFlow deep learning models and time-series analysis for profits forecasting, enabling precise calculation of statutory damages and penalties.
- Supervised 5 servers and **600+ workflows** under Vodafone Group, assisting the company in adapting new ETL pipelines. Administered users, workflows & collections on servers.
- Written and Optimized SQL queries using CTEs and Stored Procedures reducing execution time by **24%**.

Infosys Ltd. – ETL Developer | *Hyderabad, India*   **November 2018 - April 2021**
- Designed an ETL application using Alteryx and Python (spaCy) for HSBC, that assesses completeness, consistency, validity, and conformity, resulting in time savings by **92%** in data management.
- Optimized the application measuring data quality for **1M+ rows** and **500+ columns** using Alteryx, by reducing execution time by 96%, leading to savings in business hours.

PROJECT EXPERIENCE

Peterbilt Cost Optimization Business Problem – UNT Data Science Hackathon 2024 | *[GitHub](#)*
Secured **top 5** in the hackathon. Developed a highly efficient Machine Learning **ensemble** models to optimize maintenance costs of the leading to **better decisioning** between high and low-cost truck configurations with **88%** accuracy.

Research Copilot – AI Research Assistant – HackUNT 2024 | *[GitHub](#)* | *[App Link](#)*
Developed an ChatGPT based **Generative AI** driven Research assistant applications which helps **professors** and **students** to understand research papers in **5 minutes**. Helps to have QnA conversation with Research Paper provided.

Humana – Mays Data Analytics Case Competition
Secured **top 50** in the competition. Developed a solution for classification of **1.5M+** patients who do not visit for preventive care using Gradient Boosting techniques, validating the model with **75%** AUC and **70%** accuracy.

A Predictive Journey into Oman Car Prices | *[GitHub](#)*
Built an end-to-end Regression Analysis and statistical modeling using **R language** for predicting car prices leveraging k-NN, CART, Random Forest, which effectively predicted prices with an **68%** accuracy & **630** RMS error.

Dallas Crime Analysis Reporting using Tableau | *[Tableau Server](#)*
Prepared eye-catching data visualization on the city of Dallas police arrests. Found that the yearly crime rate in the city dropped by **19%** in 2023. Arrests are 2x higher at night compared to afternoons on weekends.

EDUCATION

University of North Texas, Denton, TX, Master of Science – Advanced Data Analytics – GPA 4.0   **December 2024**
Relevant Coursework: Data Analysis, Harvesting, Deep Learning, Discovery and Learning with Big Data, Leadership.

SKILLS

Technical: C/C++, Python, Java, HTML, CSS, JavaScript, Go, R, Spark, Hadoop, Hive, Data Structures & Algorithms, Linux

AI/ML: Math, Algebra, Causal Inference, A/B Testing, Feature Engineering, Data Modeling, Clustering, PCA, Data Lake, Kafka, Data Warehouse, Data Lake, Glue, EMR, Kinesis, SAS Studio, SAS Enterprise Guide, CNN, RNN, LSTM, GCP, AWS, Sage Maker

DB/Ops: Database Design, SQL**,** Teradata, MongoDB, BigQuery, S3, Redshift, Athena, Vector DB, Flask, Django, CI/CD, Streamlit, Git, GitLab, Docker, CUDA, GPU, JIRA

Core Competencies: Agile, Critical Thinking, Leadership, Problem Solving, Adaptability, Troubleshooting, Communication

ACTIVITIES/CERTIFICATIONS

- Databricks Certified Generative AI foundational.   **July 2024**
- Participated in American Airlines Data Challenge Competition.   **November 2023**
- Alteryx Designer Core Developer Certified.   **August 2022**