

SRI CHARAN BODDUNA

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PROFESSIONAL SUMMARY

Data Scientist with 4 years of experience in developing and optimizing ML models, cloud-based platforms, and Big Data Technologies. Expertise in Python, SQL, Tableau, with a strong foundation in supervised, unsupervised learning, and neural networks. Adept at bridging technical and business needs to drive innovation and operational stability.

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

Programming: C/C++, Python, JavaScript, Go, R, PySpark, Hadoop, Data Structures & Algorithms, Linux

AI/ML: Math, Algebra, Alteryx, Probability, Inference, A/B Testing, Feature Engineering, Predictive Modeling, Data Modeling, Statistical Modeling, Machine Learning, Regression, Clustering, PCA, XGBoost, ETL, Data Lake, Data Engineering, Kafka, SAS, ANN, CNN, RNN, LSTM, TensorFlow, GCP, Microsoft Azure, AWS

DB/Ops: Database Design, SQL, PostgreSQL, NoSQL, MongoDB, BigQuery, Cloud SQL, Vector DB, Flask, Django, CI/CD, Streamlit, Git, Docker, CUDA, GPU, JIRA

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

WORK EXPERIENCE

Programmer, University of North Texas | 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.

Data Scientist, Vodafone Intelligent Solutions (_VOIS) April 2021 - December 2022

- Served as an Alteryx admin & developer, supervised 5 servers and 600+ workflows under Vodafone Group, assisting the company in adapting new ETL pipelines. Administered users, workflows & collections on servers.
- Engineered TensorFlow deep learning models and time-series analysis for profits forecasting, resulting in a 24% increase in forecasting accuracy and projected 12% increase in profit growth margin.

ETL Developer, Infosys Ltd. November 2018 - April 2021

- Designed a 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

A Predictive Journey into Oman Car Prices: January – May 2024

Built an end-to-end machine learning 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: August – December 2023

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.

Heart Attack Prediction System using classification algorithm: January – May 2023

Defined classification models using decision tree and SVM that predict whether a patient is prone to a heart attack, revamping 86% accuracy, 77% recall rate, and 82% precision.

ACTIVITIES/CERTIFICATIONS

- Participating in Humana Healthcare Data Analytics Case Competition. September 2024
- Databricks Certified Generative AI foundational. July 2024
- Participated in American Airlines Data Challenge Competition. November 2023
- Alteryx Designer Core Developer Certified. August 2022