Vikrant Sagar Remoddula

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EDUCATION

The University of Texas at Dallas, Texas   **August 2022 - May 2024**
Master of Science - Business Analytics   **GPA 3.72**

Jawaharlal Nehru Technological University Hyderabad, India   **July 2017 - July 2021**
Bachelor of Technology – Computer Science and Engineering   **GPA 3.6**

SKILLS

Python, SQL database, NoSQL, R, SAS, Tableau, Power BI, Excel, Statistics, ML, Predictive Modeling, Apache Spark, Microsoft SSRS, Kafka, Scala, Hadoop, Git, Docker, Data Modeling, Snowflake, A/B Testing, AWS, Azure, Salesforce, CRM, Agile, CI/CD , PowerPoint

PROFESSIONAL EXPERIENCE

Accenture | BUSINESS ANALYST - India   **July 2021 - July 2022**

- Led data transformation and comprehensive data management initiatives for BOFA utilizing Python, enhancing **accuracy by 5%**, generating **50+ dashboards**, and ensuring Oracle database integrity with automated PL/SQL tasks
- Transformed ETL workflows based on user stories, implemented A/B testing, optimized the random forest algorithm, and automated processes, resulting in a **25% reduction** in data processing costs and annual **savings of $30K**
- Implemented predictive analytics models for proactive inventory management, reducing stock outs **by 30%** and increasing inventory **turnover by 20%,** resulting in significant cost savings and operational efficiency improvements
- Analyzed BOFA metrics, employing clustering analysis, revealing a 10% increase in customer acquisition cost (CAC), a 20% rise in customer lifetime value (CLV), and a **15% improvement** in conversion rates, guiding strategic decision-making
- Examined automated shuttle transport data in Tableau, reducing operational delays and improving model **efficiency by 20%**
- Collaborated with sales leadership and stakeholders to analyze needs, design solutions, and drive process improvements, leading to a **25% increase** in team productivity and **20% improvement** in customer satisfaction metrics

Indian Institute of Technology(BHU) | DATA ANALYST - India   **June 2020 - August 2020**

- Minimized data inaccuracy by **90%** using SQL, Excel, Power BI, and Python on 50,000+ rows, **saving $5,500** annually and enabling comprehensive Water Quality Index analysis for better water resource management decisions
- Developed an **81% accurate** water quality prediction system using Python and ML for predictive modeling, which enhanced water management strategies and contributed to a **30% reduction** in related health issues
- Deployed the Decision Tree algorithm on Kiva Crowdfunding data, accurately estimating regional poverty and loan repayment success with **95.6% accuracy**, demonstrating strong analytical expertise and proficiency in Python

TheSmartBridge | BUSINESS INTELLIGENCE INTERN - India   **May 2019 - July 2019**

- Assessed **10k** Twitter entries with machine learning for sentiment analysis, boosting marketing effectiveness and customer satisfaction by **15%** via NLP sentiment classification
- Employed CNNs in computer vision to analyze 5k food samples with **95% accuracy**, enhancing quality inspection and nutrition assessment processes, while developing image recognition models to boost operational efficiency
- Utilized Jira and Trello for documentation, aligning project objectives with business goals, and improved customer **retention by 20%** through enhanced segmentation models with machine learning and advanced statistics

PROJECTS

Uber Sales Data Analysis using SAS | *Advanced Statistics, Data cleaning, Hypothesis Testing, A/B Testing*

- Leveraged SAS for Uber sales data analysis, employing EDA and A/B testing to reveal a **15% increase** in customer satisfaction and a **10% boost** in driver efficiency from shared rides, contributing to Uber's success

Speed Dating Data Analysis and Visualization | *SQL, R Studio, Quarto, Tableau, GitHub, Data Visualization, Dashboard Tools*

- Analyzed Speed Dating data with SQL, showcasing insights via interactive R, Tableau, and GitHub dashboards, boosting dating **app engagement by 25%**

Poem Generator Using NLP Techniques | *Web scraping, Data cleaning, Spacy, Transformers, Hugging Face, Jupyter*

- Employed NLP techniques, leveraging Python, R, AWS, and deep learning models (CNNs, LLMs, BERT), achieving 90% accuracy in theme detection, enhancing the user experience for a literary website

CERTIFICATIONS

AWS Solution Architect Associate (SAA-C03) | Databricks Certified Lakehouse Fundamentals | Generative AI Fundamentals