Sai Shiva Bhaskar Emani

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EDUCATION

Wayne State University   Detroit, MI, USA
Master of Science, Major in Data Science and Business Analytics   08/2022 – 12/2023

Jawaharlal Nehru Technological University   Hyderabad, Telangana, India
Bachelor of Engineering, Major in Electronics and Communication   07/2014 – 04/2018

SKILLS

- **Business Intelligence tools:** Tableau, Power BI, Periscope
- **Programming Languages:** Python, R
- **Machine Learning**: Regression, Classification, Clustering, Neural Networks
- **Statistical Analysis:** Hypothesis Testing, A/B Testing
- **Tools and Libraries:** TensorFlow, PyTorch, scikit-learn, pandas, NumPy
- **Database Management:** SQL (Redshift SQL, Microsoft SQL Server, MySQL, Snowflake), MongoDB
- **Big Data Technologies:** Hadoop, Spark

PROFESSIONAL EXPERIENCE

CUEMATH   **Bangalore, India**
Senior Data Analyst   **02/2020 – 08/2022**

- Saved $2M in Q4'21 by developing the accrued revenue model that helped the finance department for auditing.
- Led data visualization projects using Periscope, Tableau, and Power BI streamlining financial analyses and reducing workload by 80+ hours/week.
- Leveraged advanced statistical and machine learning techniques including logistic regression and decision trees and enhanced predictive analytics for student retention rates by 18% using Python.
- Optimized data migration and using SQL, Python, and Excel resulting in a 30% reduction in data transfer time.
- Led a team of 8 professionals, instilling a results-driven mindset through goal setting and performance metrics.
- Spearheaded initiatives that resulted in a 15% improvement in project delivery timelines and overall team performance.

Data Analyst

- Achieved a 35% increase in lead conversion rate in Q2'21.
- Conducted user behavior analysis, leading to a 26% increase in user engagement.
- Performed A/B testing, resulting in a 20% improvement in content relevance.
- Conducted cost-benefit analyses to inform budgetary decisions, maximizing ROI.
- Automated revenue recognition processes, reducing manual errors by 75%, ensuring data accuracy.

Data Analyst Intern

- Conducted feature engineering and selection to enhance model performance, improving accuracy by 15%.
- Collaborated with data engineering teams to streamline data pipelines, reducing data processing time by 20%.
- Validated and addressed missing or erroneous data points to enhance data quality.

WAYNE STATE UNIVERSITY   **Detroit, MI**
Graduate Research Assistant   **11/2022 – 12/2023**

- Conducted in-depth research under Prof. Dr. Seongho Kim to gain insights into metabolomics and lipid-omics data.
- Implemented data pre-processing techniques and statistical analysis techniques as T-test and F-test
- Applied dimensionality reduction technique as PCA and PLS-DA to determine the principal component variance.
- Enhanced data analysis capabilities further by facilitating comprehensive pathway analysis, contributing to a 15% increase in the efficiency of research insights and findings.

CERTIFICATIONS

- Certified SQL Expert
- PG Diploma in Data Science and Machine Learning

AWARDS

- Recognized for outstanding performance and significant contributions, receiving the prestigious Best Performer Award in March 2021.