MIKHAIL JOEL CHARLES

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SUMMARY

As a recent graduate in the field of Data Analytics, I am passionate about unraveling the stories hidden within data. Through my academic and professional experiences, I have built a strong foundation in analytical and technical skills. I am equipped in data analysis and visualization, predictive modeling, and quality assurance, with knowledge of tools such as SQL, Tableau, Power BI, Python and Excel. I am actively seeking full-time opportunities in data analytics.

SKILLS

Skills: SQL, Tableau, SAP ERP, Excel, Power-BI, Dax, Python, Machine Learning, Pandas, JIRA, Business Analytics Supply Chain Management, Problem solving, Critical thinking, Leadership, Statistics

PROFESSIONAL EXPERIENCE

University of Massachusetts - Lowell   **Lowell, MA, USA**
Research Assistant   *February 2023 - Present*
- Applied strong research and analytical skills to collect, clean, and interpret complex datasets, resulting in 20% increase in data accuracy.
- Collaborated with the research team to develop and implement standard operating procedures for data entry, management and analysis, leading to 10% reduction in data entry errors.
- Conducted quality control checks and verified data accuracy across multiple datasets, resulting in a 15% improvement in overall data quality.

Digital Credit Union   **Lowell, MA, USA**
Capstone Project Intern   *August 2023 - December 2023*
- Spearheaded a comprehensive project analyzing call logs leveraging demographic and banking data to enhance the predictive model's accuracy, resulting in 84.8% increase in prediction accuracy.
- Developed visually intuitive dashboards in Tableau, synthesizing raw data into actionable insights that guided strategic decision-making processes at Digital Credit Union, contributing to increased customer satisfaction.
- Collaborated with cross-functional teams to translate complex data findings into accessible insights, facilitating clear communication fostering enhanced decision-making and increased organizational agility.

Crystal Rubbers and Industrial Products   **Coimbatore, Tamil Nadu, India**
Data Analyst Intern   *October 2021 - May 2022*
- Built a linear regression model to predict the demand of products which helped in adjusting production schedules accordingly.
- Created a visually compelling and insightful dashboard using tableau, that effectively tracks production in various manufacturing lines across the manufacturing unit.
- Enhanced interpersonal skills and knowledge in strategic initiatives, as evidenced by a 40% increase in successful cross-departmental collaborations and a significant improvement in project outcomes.

PROJECTS

Forecasting Average Distribution of Rainfall   *September 2023 - December 2023*
- Utilized SARIMA modeling on India's open government data platform to forecast rainfall, generating insights for 28 states and 8 union territories.
- Leveraged Tableau for comprehensive visualization, providing detailed district-level rainfall distribution analysis for strategic decision-making.

Heart Failure Prediction   *November 2022 - December 2022*
- Built prediction models on the heart failure dataset using python, which would help hospitals determine patients with higher susceptibility to heart disease.
- Applied Logistic Regression, Decision Tree, Random Forest, Naive Bayes and compared the accuracy of each model, achieving a maximum accuracy of 77.9% with Naive Bayes.

EDUCATION

University of Massachusetts - Lowell   **May 2024**
Master of Science - Business Analytics   *GPA: 3.6*
- **Courses:** Advanced Data Mining, Decision Analytics, Statistics, Marketing Analysis, Database Management

Clayton State University   **May 2021**
Bachelor of Business Administration - Supply Chain Management   *GPA: 3.5*
- **Courses:** Operations and SCM, Strategic Management, Principles of Marketing, Corporate Finance