KHALIIL BENSAID BOUDA

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EDUCATION

University of Maryland, Robert H. Smith School of Business, College Park, MD December 2024
Master of Science, Business Analytics
Relevant Coursework: Enterprise Cloud Computing, Database Management Systems, Data Mining, Data in Processing in Python

University of Maryland, College of Information Studies, College Park, MD May 2023
Bachelor of Science, Information Science, concentration in Data Science
Dean's List: Spring 2022, Fall 2022, Spring 2023

TECHNICAL SKILLS

- **Programming and Analytical Tools:** Python, SQL (MySQL, Microsoft SQL Server, SparkSQL, Redshift), R, Git
- **Big Data & Cloud Computing:** AWS (S3, Redshift, Glue), Hadoop, Spark (PySpark, SparkSQL)
- **Data Visualization & BI Tools**: Tableau, Power BI, Excel
- **Data Processing & Workflow Tools:** MySQL, Salesforce, Google Cloud, Databricks, ServiceNow
- **Concepts:** ETL Processes & Pipelines, Data Warehousing, Machine Learning, Statistical Modeling, Data Wrangling & Transformation, Predictive Analytics, Business Intelligence, Data Analysis, Data Modeling, Cloud Computing

PROJECT EXPERIENCE

Airbnb Listing Booking Rate Prediction
- Developed and optimized machine learning models in Python on large Airbnb dataset to predict booking rates, improving hosts' pricing strategies.
- Applied feature engineering, model selection, and evaluation techniques to enhance prediction accuracy.

University of Maryland Baseball Analytics Database Team Project
- Engineered a scalable SQL database for UMD Baseball Analytics, enabling data analysis across user groups.
- Designed ETL processes for ingesting and transforming datasets, enhancing access for analysts.

Climate Change and its Impact on the Environment and Economy
- Analyzed economic and environmental impacts of climate change using diverse datasets from sources like the World Bank.
- Presented key insights through Tableau Story dashboards to effectively communicate complex data trends and implications.

WORK EXPERIENCE

Maryland Applied Graduate Engineering (MAGE), **University of Maryland, College Park, MD** July 2023 – Present
Graduate Data Analyst
- Collaborated with the Business Affairs and Marketing teams to analyze expenses and advertising campaigns, resulting in a 16% expense reduction between July 2023 and July 2024. Developed Tableau dashboards to streamline data visualization and enhance decision-making processes.
- Conducted data analysis using Python, of over 5,000 students and generated insightful reports using diverse tools and methodologies to support the program managers in making data-driven decisions and improve educational outcomes.
- Assisted in conducting program research to identify potential new programs to attract prospective students, contributing to the strategic expansion of the Engineering Graduate schools' program offerings.

Division of Information Technology, University of Maryland, College Park, MD September 2022 – May 2023
Assistant Lead Technician
- Leveraged ServiceNow to streamline IT service workflows, reducing ticket resolution time by 15%.
- Developed technical training for team members to enhance client interactions and increase productivity by 20%.
- Independently diagnosed and addressed system issues, effectively resolving over 80% of customer complaints without the need for escalation, contributing significantly to elevated levels of client satisfaction.

Maryland Applied Graduate Engineering (MAGE), **University of Maryland, College Park, MD** October 2021 – May 2023
Communications Assistant
- Analyzed social media metrics to generate insights that informed engagement strategies.
- Contributed to a 30% increase in social media following by implementing data-driven improvements.
- Managed student and alumni data in Excel, ensuring accuracy and organization.