Jean-Emmanuel Kouadio

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PROFESSIONAL SUMMARY

Dedicated and highly motivated Data Scientist with 2+ years of relevant experience and demonstrated expertise leveraging Python, SQL, Excel, Tableau, and R with a passion for using data to drive business decisions. Contributed to critical data-driven cancer research projects at West Virginia INBRE and worked on several data science projects, currently seeking a Data Scientist internship position.

EDUCATION

Shepherd University Jan 2022 - Dec 2024 (Expected)
Master of Science in Data Analytics & Information Systems *Shepherdstown, WV*

Coursera Jan 2023 – Mar 2023
Google Data Analytics Professional Certificate *Online*

Shepherd University Aug 2017 – Dec 2021
Bachelor of Science in Computer Engineering *Shepherdstown, WV*

WORK EXPERIENCE

Shepherd University Wellness Center Sep 2022 - Present
Flex Manager *Shepherdstown, WV*

- Managing a team of 3 employees and overseeing daily facility operations such as making sure the building is ready for the day meaning that all staff are present and all equipment are cleaned and functional and services are provided
- Ensure efficient completion of all tasks, maximizing productivity and minimizing downtime to provide exceptional customer service to 2800 members.

West Virginia INBRE Jan 2019 - Jul 2021
Research Assistant *Shepherdstown, WV*

- Conducted cancer research under Dr. Qing Wang's supervision to develop a better understanding of the mechanisms that drive tumor growth, leading to potential breakthroughs in cancer therapy.
- Analyzed tumor growth mathematically concerning cancer therapy, enabling the identification of novel therapeutic targets and optimizing treatment efficacy.
- Presented findings at scientific conferences to disseminate research findings and establish a reputation as a subject matter expert in cancer research.

PROJECTS

E-Commerce Customer Churn Prediction Model (Kaggle) Feb 2023 – Mar 2023

- Conducted data wrangling and exploratory data analysis (EDA) on customer churn data, identifying key patterns and trends that supported the development of a comprehensive e-commerce prediction model to anticipate trends.
- Constructed three models, including logistic regression, decision tree, and random forest, to build robust models capable of accurately predicting customer churn using advanced statistical techniques.
- Achieved an accuracy score of 79.67% after comparing model performances and deciding on a logistic regression model, enabling the e-commerce company to identify and retain customers at risk of churning proactively.

Healthcare Employee Attrition Prediction Model (Kaggle) Jan 2023– Feb 2023

- Performed data wrangling and exploratory data analysis (EDA) on healthcare employee data to identify key factors affecting attrition rates, providing insights into the underlying causes of employee turnover in the healthcare industry.
- Built a logistic regression model using scikit-learn to predict employee attrition based on factors such as employee satisfaction, tenure, and salary.
- Tested the model using cross-validation techniques, achieving an accuracy rate of 88.78%, which can enable healthcare organizations to identify/address factors that contribute to employee turnover and reduce recruitment and training costs.

Data Visualization Dashboards (Kaggle) Jan 2023 – Mar 2023

- Built interactive Tableau dashboards to display business metrics, providing real-time access to critical performance indicators, such as sales figures, revenue growth, and customer engagement metrics.
- Created sales, marketing, and Covid-19 visualizations using Tableau, leveraging advanced data visualization techniques to transform complex data sets into visual representations for analysis and intuitive interpretation.
- Communicated insights through data storytelling to technical and non-technical audiences on Tableau public, presenting data-driven insights in a compelling and easy-to-understand manner.

SKILLS

Technologies: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
Data Analysis: Tableau**,** Excel**,** Data Wrangling, Pivot Tables, Excel
Programming Languages: Python, R, SQL
Soft Skills: Communication, Teamwork, Problem Solving, Critical Thinking, Time Management