MARIE ROSE ESMERALDA NGUETSE ANAMBA

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Summary

Data-driven professional with expertise in machine learning, data analysis, and visualization. Proficient in Python, SQL, and Tableau, with experience in predictive modeling. Interested in solving complex problems and driving business efficiency through advanced analytics.

Education

NOVEMBER 2023 – NOVEMBER 2024
Master in Information Technology | University of the People | Pasadena, California, USA | Online

SEPTEMBER 2019 – AUGUST 2022
Bachelor's degree in Management Economics, Quantitative Management Track | Catholic University of Central Africa | Yaounde, Cameroon

Experience

MARCH 2024 – NOW
Data Analyst | Uwezo Consulting Firm| Yaounde, Cameroon

- Data collection, cleansing and analysis to identify trends and opportunities for the company's customers.
- Development of interactive dashboards and visual reports to facilitate strategic decision-making.
- Collaboration with internal teams and customers to understand needs and provide data-driven recommendations.
- Application of statistical and predictive models to optimize customers' business processes.
- Technology watch and adoption of best practices in data analysis to ensure quality solutions.

DECEMBER 2024 – JANUARY 2025
Machine Learning Intern | Hubble Mind | Online

- Collected, cleaned and analyzed data to facilitate data-driven decision-making.
- Developed predictive models to optimize performance and reduce operational inefficiencies.
- Created an intuitive web interface enabling company employees to make predictions by entering the necessary data.
- Wrote a detailed report presenting the results and recommendations of the project.

JULY 2022 – JULY 2023
Data Analyst Intern | Epsilon Systems Corp | Douala, Cameroon

- Data collection, cleansing and analysis to support strategic decision-making across the enterprise.
- Integrate data into the data warehouse for easy access and use.
- Tracking key performance indicators (KPIs) and creating performance reports for stakeholders.
- Participation in the development of analysis solutions to optimize internal processes and activity reporting.

MAY 2022 – JULY 2022
Economic Policy Analysist Intern | MINEPAT | Yaounde, Cameroon

- Contribution to the import substitution policy being developed in Cameroon by analyzing available economic data.
- Identification of growth-generating sectors and assessment of the obstacles encountered by these sectors.

- Drafting of a detailed report on strategic sectors, challenges encountered, and recommendations to support the policy.

Certifications

IN PROGRESS
Google Data Analytics Professional Certificate | Google Careers Certificates

MAY 2025
Professional Cloud Database Engineer | Google Cloud Skills Boost

AUGUST 2024
Statistics for Data Science and Business Analysis | Udemy

Skills

TECHNICAL SKILLS

- **Programming**: Python (TensorFlow, Scikit-Learn, Pandas, NumPy), R, HTML, CSS, JavaScript

- **Databases**: PostgreSQL, MySQL, MongoDB

- **Data Visualization**: Power BI, Tableau, Matplotlib, Seaborn

- **Data Tools**: Excel, SAS, SPSS, ETL Processes

- **Software Development Tools**: Git/GitHub, Jupyter NoteBook

- **Cloud platforms**: Google Cloud

HARD SKILLS

- Problem-Solving

- Data Storytelling

- Business Intelligence

- Analytical and Critical Thinking

- Data-Driven Decision Making

- Cross-Functional Collaboration

- Technical Communication & Simplification

- Adaptability

- Autonomy & Proactiveness

LANGUAGE SKILLS

- French: Native

- English: B2

- Spanish: A2

Projects

JANUARY 2025
Coupon Recommendation System | HubbleMind

- Developed a predictive model using the In-Vehicle Coupon Recommendation dataset (12,684 samples).
- Cleaned and preprocessed behavioral and contextual user data (categorical and numerical features).
- Performed exploratory data analysis to identify trends in coupon acceptance behavior.
- Built and compared Logistic Regression, Decision Tree, and Random Forest classifiers.
- Tuned the best model (Random Forest) using GridSearchCV for optimal performance.
- Deployed a user-friendly prediction app using Streamlit.

DECEMBER 2024
Garment Worker Productivity Prediction | HubbleMind

- Collected, cleaned and analyzed garment worker productivity data to optimize manufacturing processes.
- Performed in-depth data mining (EDA) to analyze relationships between operational variables and productivity.
- Developed several regression models (linear regression, Random Forest, XGBoost) to predict productivity.
- Compared and evaluated models using metrics such as MAE, MSE and R2 to select the best performing model.
- Performed optimizations via GridSearchCV to improve the performance of the selected models.
- Created an interactive predictive system allowing users to enter new data to obtain predictions.
- Prepared a comprehensive report including analysis results, models and strategic recommendations.