
Objective

Passionate Data and NLP Scientist with 4+ years of experience in Natural Language processing, Machine learning algorithms, predictive modeling and Computer Vision. Excellent understanding of implementation of solutions using Modern ML softwares (PyTorch, Tensorflow, OpenCV, etc). Proven expertise in handling large datasets, data visualization, and analysis. Achieved superb results in the development and implementation of NLP and Machine Learning algorithms that drive significant revenue benefits.

Experience

- Hamoye** Jan - 2022 - Present
Data / NLP Scientist
 - Built and deployed Machine Learning application that predicts Cancer on Flask:
<https://tumpred.herokuapp.com>
 - Worked with my team and pioneered the deployment of Machine Learning model that predicts crime in a country on Streamlit:
<https://bit.ly/CrimeWomen>
 - Worked
 - Built a solution that increased the company's costumers by 20%
 - Contributed to visualizing and analyzing project data.
 - Convinced my team into making a decision that increased the ease of our project by 60%.
 - Working actively with a team on a project to build a model that predicts cancer.

Skills and Technologies used: Python, SQL, Numpy, Pandas, Scikit-Learn, Tensorflow, Keras, Spark, Seaborn, Matplotlib, AWS, Kubernetes, NLP, Colab, Anaconda, VS Code, GIT, Flask, Heroku, Pytorch, Computer Vision, Timeseries , Big data
- ShapeAI** June - 2021 - Oct - 2021
Data Analytics Intern
 - Did Exploratory Data Analysis that analysed and saved the company from financial crisis:
<https://bit.ly/FinanceEDA>
 - Learnt and implemented the use of Analysis tools like Excel, Python Visualization libraries (Matplotlib, Seaborn, Kufflinks) Tableau, PowerBI.
 - Completed Exploratory Data Analysis of 911 emergency calls in a country.

Skills and Technology used: Python, SQL, Matplotlib, Seaborn, Kufflinks, Excel, Tableau, PowerBI
- Avario Digital** Jan - 2022 -
Python Developer Intern
 - Learnt basics, intermediate and advanced lessons and implementation of Python BackEnd frameworks (flask, Django)
 - Managed 9 Softwares and Web applications for the company.
 - Made decisions that increased company returns by 20%
 - Built a chatting app using Python Django and FrontEnd frameworks.
<https://my-chatme.herokuapp.com>

Skills and Technologies: Python, Flask, Django, HTML, CSS, JavaScript, Bootstrap, Heroku, VS Code, Spyder, Anaconda, GIT, Numpy

Education

- WorldQuant University** 2022
Applied Data Science
- Turing College** 2021 - 2022
Data Science
- OneSchool** 2021 - Present
Data Science and Engineering

Projects

- **NLP for a Company Reviews**

Natural Language processing of a Company's reviews

- Did Exploratory Data Analysis using Python libraries (Seaborn, Matplotlib, kufflinks)
- Made use of Scikit-Learn Algorithms for transforming, processing and training and evaluating the model like Count Vectorizer, Multinomial Naive Bayes, Train Test Split, , Classification reports (for metrics)
- Performed text processing using TfidfTransformer Algorithm, and trained using Pipeline
- Metrics: had f1 score of 0.73
- Technologies and Skills used: Python, Scikit-Learn, Pandas, Numpy, Anaconda, Jupyter Notebook, Seaborn, Matplotlib, NLP

Link: <https://bit.ly/ajiNLPProcess>

- **Breast Cancer Predictor (ML model app)**

- AI app that uses machine learning model (Support vector Classifier, GridSearchCV) to predict whether a breast tumor is cancer or not.
- Wrapped model in a flask app deployed on Heroku app with written HTML, CSS and JavaScript FrontEnds.
- Technologies and Skills used: Python, Scikit-Learn, Flask, Pandas, Numpy, Anaconda, Jupyter Notebook, Seaborn, Matplotlib, Heroku

Link: <https://tumpred.herokuapp.com>

- **Crime Predictor (ML Model App)**

- Machine Learning model application that predicts Crime Against women in a country at a particular time
- Made use of Scikit-Learn Algorithms like PolynomialFeatures for preprocessing, Linear Regression model, mean squared error, mean absolute error, r2 score for metrics and evaluation.
- Wrote algorithm for Polynomial Regression and made evaluations.
- Metrics: On the first degree, had RMSE, MAE and R2 Score of 21, 18 and -8 respectively.
- Deployed model on Streamlit.
- Technologies and Skills used: Python, Scikit-Learn, Streamlit, Pandas, Numpy, Anaconda,

Link: <https://bit.ly/CrimeWomen>

- **Chat Application**

- A Chatting application.
- The application was built using Django and Postgresql database.
- The application was deployed on Heroku.
- Technologies and Skills used: Python, Django, Postgresql, Numpy, Anaconda, HTML, CSS, Ajax Js, JavaScript, Heroku, Git.

Link: <https://my-chatme.herokuapp.com5>

Articles, Blogs And Publications

- **Deploying Machine Learning Application**

Data Science list, Medium blog, 2022

Link: <https://lnkd.in/gJrtSbRr>

- **Crime Against Women in India, Predictions with Machine Learning.**

Hamoye Data Science Journal, 2022, Nigeria.

Link: <https://github.com/apache/team/Crime-Against-Women-PP22-C623-APACHE-TEAM>

- **AI for Green house gas reduction**

Data Science Nigeria, 2021