MOHAMED AZIZ CHERIF

Tunisia | mohamedaziz.cherif@insat.ucar.tn | linkedin.com/in/aziz-cherif | github.com/azizche | mohamedazizcherif.com

EDUCATION

National Institute of Applied Science and Technology   North Urban Center, Tunis
Engineering Degree   Expected June 2024

      Major in Networks and Telecommunications; Minors in Image and Video Analysis.
      Relevant Coursework: Machine learning, Deep Learning; Big Data, Business Intelligence, Image Processing, Video Processing.

WORK EXPERIENCE

EFREI Research Lab   EFREI University, Paris
Data Science Intern   Jun 2023 – Aug 2023

- Processed hyperspectral images of various Fruits for analysis.
- Evaluated deep learning and machine learning models equipped with ripeness detection capabilities that reach up to 86% in accuracy.

FIDNESS   Marsa, Tunis
Flutter Developer   Jul 2022 – Aug 2022

- Developed a mobile application that allows the enterprise customers to pay for their services online, leading to a remarkable 30% increase in startup sales.
- Utilized advanced security protocols to secure online transactions.

PROJECTS

BACH MUSIC GENERATION   Jul 2023 – Sep 2023

- Designed and developed a Long Short Term Model (LSTM) based model to generate Bach-Style music compositions.

CHEST X-RAY CLASSIFICATION   Jul 2023 – Sep 2023

- Accomplished an impressive classification accuracy of 92.62% in distinguishing between normal and pneumonia cases in chest X-ray images using transfer learning techniques.

SUICIDAL TWEET DETECTION   Jul 2023 – Aug 2023

- Achieved a remarkable 91% accuracy in detecting suicidal content in tweets utilizing an advanced Natural Language Processing model.

POVERTY MAPPING THROUGH SATELLITE IMAGERY   Feb 2023 – May 2023

- Acquired and processed wealth index data pertinent to Tunisia.
- Proposed a deep learning approach for forecasting the wealth index of clusters using nightlight satellite imagery, achieving an impressive 81% accuracy.
- Generated a wealth index heat map of Tunisia.

ACTIVITIES

INSAT ANDROID CLUB   North Urban Center, Tunis
Workshop Manager   Sep 2021 – May 2022

- Instructed students in Flutter app development through 12 workshops, empowering over 30 participants with valuable skills.
- Collaborated in organizing club events, leading one with 200+ participants and featuring presentations from over 10 promising startups.
- Delivered a detailed speech, providing event details to an audience of over 100+ attendees.

ADDITIONAL

Technical Skills: Proficient in Python, Java, C; Data Visualization with Seaborn, Matplotlib; Data handling with Numpy, SQL, Pandas; Familiarity with Big Data technologies such as Hadoop, Spark; Knowledgeable in Deep Learning frameworks such as Tensorflow, Keras, Pytorch, FastAI, NLTK, HuggingFace
Languages: French (Fluent), English (Fluent), Arabic (Native)
Certifications & Training: Associate Data Scientist (Datacamp), Probability (365 DataScience), Statistics (365 DataScience)