Amenallah Berrejeb

ICT engineering student at National engineering school of Tunis

EL manar 1 , Tunis , Tunisia
+216 (28) 077 192
✉ Amenallah.berrejeb@etudiant-enit.utm.tn
🌐 amenallah.streamlit.app

Overview

- Final-year ICT Engineering Student at ENIT.
- Organized AI Enthusiast
- Explorer of Coursera and DeepLearning.AI Courses
- Attentive Reader of AI Research Papers using paperwithcode.com
- Contributor to Kaggle
- Reliable and Good Listener, Always Attuned to the latest AI Discussions and Advancements.

Skills

- **Machine Learning Algorithms:** Linear Regression, Logistic Regression, Decision Tree Classifier, XGBoost, K-means
- **Machine Learning Categories:** Supervised Learning, Unsupervised Learning, Anomaly Detection, Recommender System
- **Programming Languages:** C, C++, Java, Python
- **Deep Learning:** CNN, RNN, Transformers, TensorFlow, PyTorch
- **Data Visualization Tools:** missingno, matplotlib, plotly, seaborn
- **Model Deployment and Cloud:** Streamlit, AWS

Technical Experience

July 2023– August 2023 — **NLP Internship**, *M&C IT Consulting*, Lac 1, Tunis, Tunisia
I browsed the state-of-the-art of LLMs research papers, then designed and developed a comparative study on transformer-based language models with respect to ADAD(M&C's project) specifications.
Key Technologies: T5, BERT, Transformers, Pytorch, ALBERT, GPT.

July 2022– August 2022 — **Summer Internship**, *Tunisie Telecom*, Mateur, Bizerte, Tunisia
I delved into the telecommunications field, learnt about transmission supports, and explored the line building center.

Education

September 2021– Ongoing — **Telecommunications Engineering Degree**, *National Engineering School of Tunis*, Tunis, Tunisia

September 2019– June 2021 — **Mathematics - Physics Preparatory Cycle**, *Preparatory Institute For Engineering Studies Nabeul (IPEIN)*, Nabeul, Tunisia

September 2018– June 2019 — **High School Diploma: Mathematics Section**, Mateur, Bizerte, Tunisia

Publications

- Dr Wafa Meftah, Amenallah Berrejeb, and Donies Haddad, "Towards A Machine Learning based Platform for Diseases Detection: Case of Breast Cancer," in *IEEE AMCAI 2023: 1st IEEE Afro-Mediterranean Conference on Artificial Intelligence*, Tunis, Tunisia, 2023 (Under Revision).

Projects

December 2022– April 2023	**End of year 2 project: Developing a Streamlit Web Application for Breast Cancer Detection** **Description:** Starting from 2 datasets, I built a user-friendly web application that allows doctors to predict whether a breast tumor is malignant or benign and to predict the possibility of developing breast cancer. **Keywords:** Streamlit, Data Analysis, Machine Learning Algorithms for Medical diagnosis.
December 2021– April 2022	**End of year 1 project: A Bibliographic Research about Geospatial Big Data** **Description:** Reviewing the methods used to gather, analyse geospatial big data, state-of-the-art review of machine learning methods and framework used in the geospatial domain. **Keywords:** Cloud Computing, Machine Learning Applied to Geospatial Data, GIS Framework.
March 2022– April 2022	**Library Management Desktop Application** **Description:** An object-oriented project dedicated to build a desktop application combining several technologies like QT framework and SQL databases. **Keywords:** QT Creator, C++, SQL.
October 2021– October 2021	**Building a small neural network from scratch** **Description:** Instead of using predefined frameworks , I built a small neural network using Numpy **Keywords:** Numpy, Deep Learning, Activation Functions.
July 2022– August 2022	**Brain stroke predicitions** **Description:** Trained a desicion Tree classifier to predict brain stroke from csv dataset after doing data visualisation , data analytics and feature selection **Keywords:** Pandas ,Matplotlib , Seaborn , Sklearn.

Languages

Arabic: Native   **English:** Advanced (TOEIC B1)   **French:** Advanced (DELF B2)

Extra-Academic Activities

o **IEEE ENIT COMPUTER SOCIETY:** Senior Member
o **GOOGLE DEVELOPERS STUDENT CLUB, ENIT:** Senior Member
o **Kaggle:** Kaggle Contributor

Certifications

o **Machine Learning Specialization (3 courses)** - DeepLearning.AI
o **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization** - DeepLearning.AI
o **Structuring Machine Learning Projects** - DeepLearning.AI
o **Python for Data Science and AI** - Coursera
o **Hands on Introduction to Linux Commands and Shell Scripting** - Coursera