

Mohamed Belhsan Hmida

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TECHNICAL SKILLS

Languages: Python, SQL (Postgres), R
Frameworks: TensorFlow, PyTorch, Scikit-Learn, Lang-Chain, Hugging Face, MLflow
Developer Tools: Git, dagshub, GCP, AWS, Azure, Docker, Streamlit
Libraries: pandas, NumPy, Plotly, Matplotlib
Concepts: MLOps, LLMs, Machine Learning, Data Analysis, Algorithms, Data Structures

EXPERIENCE

Junior ML Engineer

Omdena

Apr 2024 – Present

New York (Remote)

- Developing AI-driven sentiment analysis tool for political actors in El Salvador.
- Enhanced text classification accuracy by 15% through collaboration on data collection, preprocessing, and analysis, improving model reliability.
- Executed ten-week project plan, delivering 100% of milestones on schedule, streamlining workflow.

Artificial Intelligence Intern

iNeuron.ai

Apr 2024 – Present

Bengaluru, India (Remote)

- Constructed interactive data analysis platform using Streamlit, improving data processing efficiency by 25%, and enhancing user experience.
- Enhanced model interpretability for users by 30% through prompt engineering with Gemini LLM, providing clearer insights.
- Designed customizable chatbot, increasing user engagement by 20%, offering dynamic interactions.

Data Science Intern

The Sparks Foundation

Mar 2024 – Apr 2024

Singapore (Remote)

- Created stock market forecasting system with 85% accuracy using yfinance, fbprophet, pandas, NLTK, and matplotlib, aiding investors in decision-making.
- Improved prediction reliability by 10% through advanced text processing with NLTK, increasing analytical depth.
- Provided actionable insights, increasing portfolio test returns by 15%, benefiting learning traders.

PROJECTS

Resume Improvement Chatbot | Python, Streamlit, Gemini-pro, Llama-3, RAG

- Engineered chatbot using RAG and LLMs, increasing resume scoring metrics by 30%, and enhancing candidate visibility.
- Utilized NLP techniques to extract key information, significantly improving user resume quality and alignment with job descriptions.

YouTube Video Toxicity Analysis App | Python, Streamlit, TensorFlow, Google API, Git

- Built Bidirectional LSTM model, achieving 92% accuracy in toxicity detection, ensuring safer user interactions.
- Created interactive UI with Streamlit, improving user experience by 40%, and facilitating better moderation.

NY Taxi Data Engineering Project | Python, Google Cloud, Lucid, Mage-ai, BigQuery, Looker

- Developed data pipeline, reducing processing time by 50%, and increasing data accessibility for analysis.
- Designed interactive dashboard, enhancing data accessibility by 60%, and providing real-time insights for stakeholders.

EDUCATION

Higher School of Statistics and Information Analysis

Master of Engineering in Data Science

Tunis, TN

Sep 2023 – Present

Faculty of Sciences of Tunis

Pre-Engineering Studies

Tunis, TN

Sep 2021 – May 2023