

Ali Abouelazm

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EDUCATION

Texas A&M University <i>Bachelor of Science in Data Engineering</i> <ul style="list-style-type: none">Minor in Mathematics and Statistics	Aug. 2023 – May 2027 College Station, TX
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EXPERIENCE

Data Science Intern <i>TCG Digital Solutions LLC</i> <ul style="list-style-type: none">Built an AI-powered soccer highlight detection pipeline integrating SportMonks API, Google Gemini API, and Python (moviepy, pandas), reaching 95% accuracy across 100+ hours of match footageDeveloped automated video alignment modules for kickoff and halftime detection and implemented multi-stage clip refinement workflows, reducing manual analyst review time and improving overall highlight accuracyTrained and evaluated gradient-boosting models (XGBoost, CatBoost) on event and tracking datasets to predict match outcomes, and generated tactical visualizations including xG and pass networks for performance analysis	May 2025 – Aug. 2025 Somerset, NJ
Student Tech <i>Texas A&M University, Center for Teaching Excellence</i> <ul style="list-style-type: none">Building and maintaining BI dashboards and reports using AWS services (S3, Athena, QuickSight) to analyze course engagement, program outcomes, and instructional trends across multiple departmentsProcessing, cleaning, and visualizing large institutional datasets with Python (pandas, Matplotlib) to uncover actionable insights supporting faculty development and strategic planningCollaborating with senior staff to prepare and present data-driven findings, advancing innovation in teaching and analytics to strengthen faculty development and student learning outcomes	Aug. 2025 – Present College Station, TX
Peer Teacher <i>Texas A&M University, ENGR 102</i> <ul style="list-style-type: none">Mentoring first-year engineering students in Python-based problem-solving, assisting them with loops, conditionals, functions, and data structures while promoting collaboration and coding confidenceSupporting instructors during weekly lab sessions by guiding debugging, clarifying core engineering computation concepts, and providing constructive feedback on assignments and projects	Aug. 2025 – Present College Station, TX

PROJECTS

PL Predictor <i>Python, pandas, NumPy, scikit-learn, BeautifulSoup</i> <ul style="list-style-type: none">Developed models to predict Premier League standings using historical performance features and tuningAutomated match data scraping with BeautifulSoup and Selenium for continuous dataset updates	June 2024 – Aug. 2024
clinix.ai <i>Python, SQL, scikit-learn, Streamlit, OpenAI API</i> <ul style="list-style-type: none">Applied LLM-driven symptom extraction and ML models to classify patient risk levelsDeveloped SQL-based clinical feature pipelines and visualized triage patterns with Streamlit dashboards	June. 2025 – Aug. 2025

LEADERSHIP/EXTRACURRICULAR

Tamu Datathon <i>Challenges Organizer</i> <ul style="list-style-type: none">Directed the creation of Data Science and web dev challenges for 200+ students at TAMU DatathonUtilized Python, SQL, and ML libraries such as scikit-learn and pandas to create approachable challenge problemsGuided participants through real-time debugging, feedback, and data guidance during events	March 2025 – Present
Student Engineers' Council <i>EnVision Conference Coordinator</i> <ul style="list-style-type: none">Designed and deployed a custom registration system for the EnVision Conference using Flask and PostgreSQLOversaw logistics and communication systems supporting 150+ scholars during university events	Dec. 2024 – Present

TECHNICAL SKILLS

Languages: Python, R, SQL, Java, JavaScript, C/C++, TypeScript, HTML/CSS
AI/ML: scikit-learn, XGBoost, CatBoost, LightGBM, TensorFlow, PyTorch, Keras, Hugging Face Transformers
Libraries: pandas, NumPy, SciPy, Dask, GeoPandas, Statsmodels, Matplotlib, Seaborn, Plotly, Tableau
Interests: Philosophy, Soccer analytics, Swimming, Culinary exploration, Family, Data Storytelling