Osama Mohamed

SoftwareEngineer

- Phone: +201095363467
- Email: osama.20367590@compit.aun.edu.eg
- GitHub: GitHub Profile
- LinkedIn: LinkedIn Profile
- Location: Egypt, Assiut

Work Experience

AI Instructor
|ATS | [7-2024 – still now]

- Train students on various AI techniques and their practical applications.
- Develop and deliver lessons on machine learning, computer vision, and natural language processing.
- Guide students in hands-on projects to apply AI concepts in real-world scenarios.

KEY SKILLS

- **Programming Languages:** Python (Expert), R (Intermediate)
- **Machine Learning Algorithms:** Regression, Clustering, Neural Networks, Decision Trees
- **Deep Learning Frameworks:** TensorFlow, PyTorch
- **Data Preprocessing:** Cleaning, Transforming, Preprocessing
- **Data Visualization:** Matplotlib, Seaborn, Tableau
- **Statistical Analysis, Model Evaluation, Tuning**
- **Big Data Tools**: Hadoop, Spark
- **Problem-Solving Skills**
- **Domain Knowledge**
- **Django**
- **Flask**

REVELENT SKILLS

- **Computer Programming:** Java , C++, JavaScript
- **Web Development & Database Management:** SQL, NoSQL, MySQL, PostgreSQL, MongoDB
- **Data Analysis and Artificial Intelligence: Python libraries** (Pandas, NumPy, SciPy, TensorFlow, PyTorch)
- **Information Security and Protection**
- **Cross-platform Software Development**
- **Communication and Teamwork Skills**
- **Analytical Thinking and Problem Solving**
- **Project Management**

EDUCATION & CERTIFICATIONS

- **B.Sc. in Computer and Information, Specialization in Bioinformatics, Assiut University [2019 – 2023], GPA: 3.2**
- **Developing Web Applications using Python, ITI (2022)**
  - OOP using Python
  - Django
  - Postgres
- **Python for Data Science and Machine Learning, Udemy (2022)**udemy

PERSONAL INFORMATION

- Name: Osama Mohamed Ali
- Birth: October 1, 2001
- Nationality: Egyptian
- Military Status: Exempt
- Marital Status: Single

Training and Projects

Completed Training in Machine Learning and Data Analysis at Cellula Technologies (Apr 2024 - Jun 2024)

- Acquired proficiency in handling classification datasets.
- Applied exploratory data analysis (EDA), feature engineering, and feature selection.
- Achieved high accuracy in model fitting and deployment using Flask and Django.

Hotel Price Prediction

- Performed comprehensive exploratory data analysis (EDA) on hotel price datasets.
- Engineered features and selected optimal features for the prediction model.
- Developed and deployed a machine learning model using Flask to predict hotel prices, achieving high accuracy.
- GitHub Repository

Uber Fare Prediction

- Analyzed Uber ride datasets to identify patterns and trends.
- Applied machine learning algorithms to predict ride fares based on various factors.
- Deployed the prediction model using Django, ensuring accurate and reliable fare estimates.
- GitHub Repository

Graduation Project (Grade: Excellent):

Brain Tumor Classification with Deep Learning (Sep 2022 - Jun 2023)

- Conducted in-depth research to develop a brain tumor classification system using advanced deep learning techniques.
- Performed extensive data analysis and preprocessing to prepare MRI images for classification.
- Implemented Convolutional Neural Networks (CNNs) to classify MRI images accurately.
- Successfully deployed the system using the Django framework, improving system management and accessibility.

A**dditional Projects**

- Machine Translation
  - Developed a machine translation system using neural networks to translate text between multiple languages.
- Face Recognition
  - Implemented a face recognition system using deep learning techniques for accurate identification and verification.
- DNA Sequence Classification with Machine Learning
  - Applied machine learning algorithms to classify DNA sequences for various biological applications.
- Sentiment Analysis
  - Created a sentiment analysis model to evaluate and categorize text data based on sentiment polarity.