

Mohamed Ahmed Abdellateef

Junior Data Scientist and Data Analyst

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| [HackerRank](#) | [CodeForces](#)

Profile

A results-oriented Junior Data Scientist, Data Analyst, and Deep Learning Engineer with expertise in building and deploying deep learning models. Skilled in data preprocessing, exploratory data analysis, and predictive modeling. Proficient in a variety of tools and programming languages including Python, SQL, and TensorFlow. Experienced in solving complex problems and transforming data into actionable insights. Demonstrates a passion for continuous learning, delivering high-quality work under tight deadlines, and collaborating with cross-functional teams. Successfully completed multiple projects in machine learning, deep learning, and data visualization, showcasing a balance of technical expertise and innovation.

Education

Assiut University

Bachelor of Computers and Information

09/2021 – 07/2024 | Assiut, Egypt

- **Graduation Project:** Fall Detection System
Achieved a grade of **A+**, utilizing advanced machine learning and data processing techniques.

Skills

- **Programming Languages:** Python, SQL, .NET Core, HTML, CSS
- **Tools and Technologies:** TensorFlow, Pandas, NumPy, Power BI, Tableau
- **Machine Learning & Data Science:** Data Cleaning, Feature Engineering, Model Development, Evaluation
- **Backend Development:** Microservices, ASP.NET

Projects

Data Science and Machine Learning:

- **Handwritten Digits Classification:** Preprocessed and normalized training data, applied data augmentation techniques like rotation and zoom, and built a deep learning model using TensorFlow to enhance model performance. [GitHub Link](#)
- **Breast Cancer Wisconsin Classification:** Achieved 99% accuracy using deep learning and evaluated multiple machine learning models. [GitHub Link](#)
- **Heart Disease Prediction:** Utilized Logistic Regression for an 86% accuracy rate. [GitHub Link](#)
- **Credit Card Fraud Detection:** Applied multiple classifiers with accuracies ranging from 80% to 88%. [GitHub Link](#)

- **E-commerce Analysis:** Conducted data cleaning, visualization, and clustering using K-means. [GitHub Link](#)

Data Analysis and Visualization:

- **Bike Sales Dashboard:** Built an interactive sales dashboard using Excel. [GitHub Link](#)
- **Layoffs Data Analysis:** Analyzed layoffs trends using SQL. [GitHub Link](#)
- **India Unemployment Analysis:** Performed comprehensive unemployment data analysis. [GitHub Link](#)
- **Movie Rating Analysis:** Examined movie rating trends using Python. [GitHub Link](#)

Software Development:

- **Drinking Shop Online:** E-commerce web application project. [GitHub Link](#)
- **RunWheel:** Shooting game project. [GitHub Link](#)

Certificates

Programming and Development:

- Python Project for Data Science [Certificate Link](#)
- Introduction to Front-End Development [Certificate Link](#)
- .NET FullStack Developer [Certificate Link](#)
- Backend Development for .NET Full Stack [Certificate Link](#)
- Frontend Development using React [Certificate Link](#)
- Microservices and Deployment using ASP.NET [Certificate Link](#)
- HTML and CSS in Depth [Certificate Link](#)
- Object-Oriented Design [Certificate Link](#)

Data Science and Machine Learning:

- Databases and SQL for Data Science with Python [Certificate Link](#)
- Mathematical Thinking in Computer Science [Certificate Link](#)
- Deep Learning with TensorFlow 2 [Certificate Link](#)
- Machine Learning with Ridge and Lasso Regression [Certificate Link](#)
- The Machine Learning Algorithms A-Z [Certificate Link](#)
- Data Visualization with Python [Certificate Link](#)
- Advanced Learning Algorithms [Certificate Link](#)
- Calculus for Machine Learning and Data Science [Certificate Link](#)
- Linear Algebra for Machine Learning and Data Science [Certificate Link](#)
- Data Science Methodology [Certificate Link](#)
- Machine Learning in Python [Certificate Link](#)
- Data Analysis with Python [Certificate Link](#)
- Big Data [Certificate Link](#)
- Certified ML Engineer [Certificate Link](#)

Data Cleaning and Preprocessing:

- Data Cleaning and Preprocessing with Pandas [Certificate Link](#)
- Data Preprocessing with NumPy [Certificate Link](#)

General Programming and Mathematics:

- Intermediate Python Programming [Certificate Link](#)
- Python Programmer Bootcamp [Certificate Link](#)
- Statistics [Certificate Link](#)

Software Engineering:

- Software Architecture [Certificate Link](#)
- Design Patterns [Certificate Link](#)

Interests

- Coding
- Reading
- Traveling
- Self-Development

Languages

- **English:** Professional Proficiency
- **Arabic:** Native Speaker