AHMAD SAEED
DATA SCIENTIST

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Innovative Data Scientist with a strong foundation in data analysis, statistical methods, and machine learning. Expertise in transforming complex data into actionable insights using advanced data visualization tools. Proven ability to drive business decisions through strategic problem-solving and continuous adaptation to new technologies. Exceptional communicator and collaborative team player, dedicated to delivering impactful results and fostering growth.

Skills

- Data Science
- Data Science Algorithms
- Power Bi & Tableau
- AWS, Azure & Google Cloud
- Data Modeling & Engineering

- Data Analytics
- Python, SQL, R
- HTML, CSS, Javascript, C#, C++
- Unity, Firebase, GitHub, AR, VR
- Advanced Statistical Techniques

Professional Experience

GAME DEVELOPER
KICS (UET), GPS, RP, 09/2021 - 06/2024

With three years of Unity game development experience, I have strong skills in programming, problem-solving, and analytical thinking. My work involved complex algorithms, user behavior analysis, and data-driven decision-making, **which led to my interest in data science**. I have transitioned into data science, gaining expertise in statistical analysis, machine learning, and data visualization. I am eager to apply my unique blend of game development and data science skills to contribute to innovative solutions and data-driven strategies.

Personal Projects

1. CHATBOT WITH WEB SCRAPING AND LLM INTEGRATION

- **Libraries**: transformers, ngrok, pandas, Flask, beautifulsoup4
- **Data Acquisition**: Web scraping with requests and BeautifulSoup.
- **Tech Stack**: Hugging Face, Python, Blenderbot by Facebook AI.
- **Features**: Text generation, translation, sentiment analysis, NER.
- **Achievements**: Integrated and fine-tuned NLP models for high accuracy and real-world deployment.

2. TWITTER SENTIMENT ANALYSIS

- **Libraries**: NumPy, Pandas, NLTK
- **Preprocessing**: Cleaned, stemmed, and labeled sentiment data.
- **Modeling**: Transformed text data with TfidfVectorizer; trained and evaluated a Logistic Regression model.
- **Deployment**: Saved and deployed model for tweet sentiment classification.

3. STOCK PRICE PREDICTION MODEL

- **Libraries**: Pandas, NumPy, Matplotlib, sklearn
- **Data**: Retrieved and visualized TATAGlobal stock data using Quandl.
- **Modeling**: Implemented KNN classification/regression to predict stock prices.

- **Evaluation**: Analyzed accuracy and RMSE, validated predictions against actual prices.

4. MOVIE RECOMMENDER SYSTEM

- **Libraries:** Pandas, NumPy, scikit-learn
- **Data Processing:** Merged columns, created tags, and applied CountVectorizer
- **Similarity Calculation:** Computed cosine similarity for movie recommendations
- **Functionality:** Developed a recommender function to return the top 5 similar movies based on input title.

5. BIG DATA HANDLING AND MODEL TRAINING OPTIMIZATION

- **Libraries**: Pandas, vaex, scikit-learn
- **Data Processing**: Imported CSV data with Pandas, optimized with vaex.
- **Modeling**: Implemented SGDRegressor with Incremental Learning for scalable training.
- **Evaluation**: Assessed model performance using r2_score and mean_absolute_error.

Education

BACHELOR OF SCIENCE
09/2018 - 06/2022
Information and technology (IT)

Courses &- Certifications

PYTHON FOR DATA SCIENCE
IBM Developer Skill Network, 04/2024 - 07/2024

MACHINE LEARNING WITH PYTHON
IBM, 01/2024 - 06/2024

DEEP LEARNING FUNDAMENTALS
IBM Developer Skill Network, 05/2024 - 07/2024

SQL & RELATIONAL DATABASE
IBM Developer Skill Network, 08/2020 - 11/2020

ESSENTIAL GOOGLE CLOUD INFRASTRUCTURE- FOUNDATION
Coursera, 01/2024 - 04/2024

GOOGLE CLOUD FUNDAMENTAL- CORE INFRASTRUCTURE CERTIFICATE
Coursera, 01/2024 - 04/2024

GAME DEVELOPMENT
Al-Khawarizmi Institute of Computer Science, 08/2021 - 11/2021

Links

- LinkedIn
- GitHub