ADEEL IQBAL

AI/ML Engineer

✉ adeelmemon096@yahoo.com | 📞 +92 332 3953852 / +92 314 7116890

🔗 GitHub | LinkedIn | Portfolio

EDUCATION

Bachelor of Electrical Engineering
Quaid-e-Awam University of Engineering, Science & Technology | Jan 2014 - Feb 2018

Intermediate (Pre-Engineering)
C&S Degree College | May 2011 - Aug 2013

CERTIFICATIONS

Artificial Intelligence & Data Science
Saylani Mass I.T. Training | Feb 2025 - Present

SKILLS

- **Programming Languages:** Python
- **Libraries & Frameworks:** Pandas, NumPy, SciPy, Matplotlib, Seaborn, Scikit-learn, FastAPI, Flask, Streamlit, SQLAlchemy
- **Machine Learning & AI:** Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP), TensorFlow, Keras, PyTorch
- **Databases:** PostgreSQL, SQLite, Supabase
- **Tools & Platforms:** Git, GitHub, Power BI, Kaggle, Jupyter Notebook, VS Code, Cursor

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PROJECTS

Pregnancy Risk Detector | Link

- Deployed a Streamlit Machine Learning app to predict Pregnancy Risk (high/low) using health metrics and medical history data.
- Built an end-to-end pipeline with imputation, scaling, and SMOTE; hyperparameter-tuned a Random Forest Model achieving 99% accuracy.
- Enhanced usability with a user-friendly interface for structured data input and instant visual results.

Spotify Music Recommendation System | Link

- Built a hybrid content-based recommendation system combining audio features similarity with popularity scoring, achieving fast real-time inference.
- Implemented advanced preprocessing with MinMax scaling and one-hot encoding, using cosine similarity for personalized music suggestions.
- Deployed an interactive Streamlit app with Spotify-inspired UI, featuring embedded track players and smart duplicate filtering.

Breast Cancer Predictor | Link

- Built a Logistic Regression Model to classify tumors as 'Benign or Malignant' using the Breast Cancer Wisconsin dataset.
- Implemented preprocessing with StandardScaler for normalized inputs, achieving ~97% accuracy.
- Delivered real-time predictions via a Streamlit app with an interactive slider-based interface.

Forbes Global Companies Dashboard | [Link](#)

- Created an interactive Power BI dashboard analyzing 2,000 global companies with $91.23T total market value across 60+ countries.
- Implemented advanced DAX calculations and cross-filtering capabilities for comprehensive financial metrics visualization.
- Delivered actionable business insights through geographic distribution, industry performance analysis, and top performer rankings.

Credit Card Fraud Detection | [Link](#)

- Developed a RandomForest classifier achieving 93.68% F1-score for fraud detection on highly imbalanced dataset.
- Applied SMOTE technique to balance training data and implemented comprehensive preprocessing with feature standardization.
- Delivered robust model with 98.79% ROC-AUC and detailed feature importance analysis for interpretable fraud pattern identification.

Smart Movie Recommender | [Link](#)

- Created a content-based recommendation system using NLP and Cosine Similarity to suggest movies based on user-selected titles.
- Applied CountVectorizer for text feature extraction and optimized performance with Joblib serialization.
- Developed an engaging Streamlit interface with custom styling and integrated movie posters for enhanced recommendations.

PORTFOLIO & LINKS

- **Portfolio:** portfolio-adeeliqbal.vercel.app
- **GitHub:** github.com/adeel-iqbal
- **LinkedIn:** linkedin.com/in/adeeliqbalmemon

WORKSHOPS & HACKATHONS

- **AI Hackathon** - Zaitoon Ashraf I.T. Park | Karachi | 2025
  Participated in an AI-focused hackathon, collaborating with a team to design and implement the **Job Trend Analyzer** under time constraints.

PERSONAL DETAILS

- **Location:** Karachi, Pakistan
- **Languages:** English, Urdu
- **Availability:** Intermediate