ADEEL IQBAL

AI/ML ENGINEER

PORTFOLIO

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EDUCATION

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

C&S Govt. Degree College **May 2011 - Aug 2013**
- Pre-Engineering

CERTIFICATIONS

Saylani Mass I.T. Training **Jan 2025 - Present**
- Artificial Intelligence & Data Science

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)
- **Databases:** PostgreSQL, SQLite, Supabase
- **Tools & Platforms:** Git, GitHub, Kaggle, Jupyter Notebook, VS Code, Power BI, Cursor

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; tuned a Random Forest Model achieving ~ 99% accuracy.
- Enhanced usability with a user-friendly interface for structured data input and instant visual results.

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.

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.