KHANSA UROOJ

Web Development with AI/ML Integration

LinkedIn: https://www.linkedin.com/in/khansa-urooj-183416338/
GitHub: https://github.com/khansaurooj

+923174256338

khansaurooj912@gmail.com

ashraf colony dhamial road,rawalpindi

About Me

I am a Web Developer with a strong interest in AI/ML integration. Skilled in React.js, Flask,MySQL, and MongoDB, I enjoy building scalable web applications and intelligent data-driven systems. I have hands-on experience in developing predictive models using TensorFlow, Scikit-learn, and advanced ML techniques, and I am passionate about combining modern web development with artificial intelligence to solve real-world problems.

EDUCATION

BS Software Engineering (BSE)
Fatima Jinnah Women University (FJWU), Rawalpindi
2022 – 2026

Intermediate (Pre-Engineering)
Fauji Foundation College for Girls, Rawalpindi [2021-2022]

SKILLS

Frontend Development
- HTML, CSS, JavaScript , Bootstrap, React.js

Backend Development
- Python (Flask), REST APIs,Python libraries

Databases
MySQL,MongoDB

Tools & Platforms
- Git, GitHub, Google Colab, Jupyter Notebook, VS Code, Vercel

Other Skills
- Problem Solving, Team Collaboration, Project Documentation

LANGUAGE

English
urdu

WORK EXPERIENCE

AI/ML Developer (Project-Based Experience)

Self-Initiated & Academic Projects

AI-Based COVID-19 Forecasting & Analysis

- Developed predictive models: Random Forest, Gradient Boosting, SVM, ARIMA, SARIMA, Holt-Winters, ANN (~99.9% accuracy).
- Applied Apriori association rule mining to uncover correlations and patterns in COVID-19 datasets.
- Built a Django web app integrating trained Random Forest model for real-time regional risk classification.
- Evaluated with Accuracy, Precision, Recall, F1-Score, MSE, and visualized loss/epochs.

Credit Score Classification System

- Implemented ANN (TensorFlow/Keras) and CatBoost Classifier, combined with a soft voting ensemble for multi-class classification.
- Applied data preprocessing (Ordinal & One-Hot Encoding, MinMaxScaler) and handled class imbalance via stratified splitting.
- Delivered reliable classification of credit scores into Poor, Standard, Good.

2022 – Present

- Built responsive frontends using HTML, CSS, JavaScript, Bootstrap, React.js.

Used Git/GitHub for version control and deployed projects

REFERENCES

will be furnished on demand