

# Khansa Urooj

**Full Stack Developer / AI/ML  
Enthusiast**

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Portfolio | GitHub | LinkedIn

## Profile

Full Stack Web Developer with focus on building scalable applications and integrating AI/ML. Skilled in React.js, Flask, MySQL, and MongoDB. Hands-on experience with predictive modeling using TensorFlow, Scikit-learn, and advanced ML techniques. Passionate about combining modern web development with AI to solve real-world problems.

## Education

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

2021–2022 **Intermediate (Pre-Engineering)**, *Fauji Foundation College for Girls*, Rawalpindi

## Experience & Projects

2022–Present **AI/ML Developer (Projects)**, *Self-Initiated & Academic*, Rawalpindi

- **AI-Based COVID-19 Forecasting** — Built ML and time-series models (Random Forest, Gradient Boosting, ARIMA, ANN) achieving 99.9% accuracy.
- **Credit Score Classification** — Implemented ANN (TensorFlow/Keras) and CatBoost in an ensemble; applied preprocessing and handled imbalance.
- **Resume Analyzer** — Flask + React app comparing resumes with job descriptions using sentence transformers. [GitHub]
- **Lisan Tutor** — Multilingual tutor with transcription, translation, and TTS using Whisper and Hugging Face. [GitHub]

## Technical Skills

Frontend HTML, CSS, JavaScript, Bootstrap, Tailwind, React.js

Backend Python (Flask), REST APIs

Databases MySQL, MongoDB

AI / ML TensorFlow, Keras, Scikit-learn, CatBoost, Sentence Transformers, Time-series models

Tools Git, GitHub, Google Colab, Jupyter Notebook, VS Code, Vercel

## Languages

English, Urdu

## References

Available upon request