Muhammad Hasnain Fatmi

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I'm a software developer with a focus on AI, full-stack development, and data analytics. My goal is to build practical and effective solutions that address real-world challenges.

Education

FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES   **Lahore, Pakistan**
Bachelor of Science, Computer Science   **(Sep 2021 – June 2025)**

Experience:

SOFTWARE DEVELOPMENT INTERN   **Lahore, Pakistan**
Techlogix Pakistan (Pvt.)   **(Jul 2024 – Sep 2024)**

- Developed backend features using .NET Core for the TMXSD project.
- Built and refined frontend interfaces with AngularJS.
- Worked with a team to meet project milestones on a live project.

Technical Skills

Programming Languages:	C++, C#, Python
Web Development:	ReactJs, AngularJs, Django REST Framework (DRF), .NET Core
Data Science/AI:	RNN, CNN, Sentence-BERT, RAG
Database:	PostgreSQL, SQLite, MySQL, MongoDB, Firebase
Other:	HTML, CSS, Linux, Flutter

Projects

SkillSync | RAG, DRF, REACTJs, SENTENCE-BERT   **(May 2025)**

- Final Year Project focused on Smart career guidance platform with personalized job recommendations and career planning.
- Features: Personalized career advice, context-aware job recommendations, real-time job market trends.

DCACNet-CD | CNN, ATTENTION CONDENSER, AUGMENTATION   **(Apr 2025)**

- This project develops a lightweight deep learning model for efficient skin lesion classification using custom CNN.
- Classifies different types of skin lesions with high efficiency using the DC-AC attention-based architecture.

JPEGIFY | JPEG COMPRESSION, PYTHON, GUI   **(Apr 2025)**

- A full JPEG image compression and decompression system built from scratch in Python.
- Compresses grayscale and color images using standard JPEG techniques with adjustable quality and a custom .jpgc file format.

JANWAR | ATLAS MONGODB, EXPRESS, REACT, NODEJS   **(May 2024)**

- E-commerce platform for pet adoption and sales.
- Features: Post ads, buy/sell pets, purchase accessories, custom, transactions.

HWCS | KNN, PYTHON, GSCM   **(Apr 2024)**

- Handwriting-based writer identification system.
- Features: Image processing, feature extraction, model training, Django-based application.

Career Interests

Software Development   Machine Learning   App Development   Freelancing