

# 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**  
Bachelor of Science, Computer Science

**Lahore, Pakistan**  
(Sep 2021 – June 2025)

## Experience:

**SOFTWARE DEVELOPMENT INTERN**  
Techlogix Pakistan (Pvt.)

**Lahore, Pakistan**  
(Jul 2024 – Aug 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 - FYP | 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, Skill Assessment.

**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)

- 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