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:

# ASSOCIATE SOFTWARE ENGINEER Lahore, Pakistan

EaseCloud Technologies  **(Aug 2024 – Present)**

* Contributing to the development of Python-based backend services for cloud-native applications.
* Collaborating with the team on application development and integration to meet project goals.

# SOFTWARE DEVELOPMENT INTERN Lahore, Pakistan

Techlogix Pakistan (Pvt.) **(Jul 2024 – Aug 2024)**

* Developed backend features in .NET Core and frontend interfaces in AngularJS.
* Collaborated with the team to deliver project milestones on time.

# Technical Skills

**Programming Languages:** C++, C#, Python

**Web Development:** ReactJs, AngularJs, Django REST Framework (DRF), .NET Core

**Database:** PostgreSQL, SQLite, MySQL, Firebase

**Other:**  HTML, CSS, 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 classificationusing

custom CNN.

* Classifies different types of skin lesions with high efficiency using the DC-AC attention-based

architecture.

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

* Developed a full-stack pet adoption platform, streamlining pet sales and purchases with secure transactions.
* Optimized database and API responses to handle high-volume listings while ensuring smooth performance.
* Features: Ads Posting, Buying/Selling Pets, Customer Support, Purchase Accessories, Custom Transactions.

**HWCS | KNN, PYTHON, GLCM, DJANGO (Apr 2024)**

* Built a handwriting-based writer identification system, achieving 93% accuracy through optimized KNN classification.
* Designed and implemented image processing, feature extraction, and model training, reducing classification errors by 30%.
* Integrated the trained model into a Django web application, enabling seamless handwriting recognition

# Career Interests

Software Development Machine Learning App Development Freelancing