

# Muhammad Hasnain Fatmi

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I'm a software engineer with experience in building ELT/ETL workflows, transforming source data, and creating insight-driven solutions. My goal is to develop practical and efficient systems that turn data into meaningful outcomes.

## Education

**FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES**  
Bachelor of Science, Computer Science

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

## Experience:

**ASSOCIATE SOFTWARE ENGINEER**  
EaseCloud Technologies

**Lahore, Pakistan**  
(Aug 2025 – Present)

- Built and maintained data streams to support data extraction, transformation, and analytics.
- Modeled and structured sources to ensure consistency and accessibility for reporting and decision-making.
- Developed models and views for data transformation and implemented business logic for analytics.
- Automated data workflows and optimized processing logic to enhance performance.

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

**Lahore, Pakistan**  
(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.

## 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 with help of NLP and RAG for text generation and semantic analysis.
- Features: Personalized Career Advice, Context-Aware Job Recommendations, Skill Assessment.

**DCACNet-CD | CNN, ATTENTION CONDENSER, AUGMENTATION**

**(Apr 2025)**

- This project is a 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.

**HWCS | KNN, PYTHON, GLCM, DJANGO**

**(Apr 2024)**

- Handwriting-based writer identification system, achieving 93% accuracy through optimized KNN classification.
- Integrated the trained model into a Django web application, enabling seamless handwriting recognition

## Technical Skills

**Languages & Frameworks:** C++, C#, Python, React, Angular, .NET Core, Django, Node.js, React Native  
**Databases:** PostgreSQL, SQLite, MySQL, Firebase, MongoDB  
**Cloud & DevOps:** Docker, GitHub Actions, GCP  
**Data Analytics:** Airbyte, DBT, Snowflake, Metabase, Apache Spark, Power Bi

## Career Interests

Software Development    Machine Learning    App Development    Data Analytics    Data Engineering