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 Lahore, Pakistan**

Bachelor of Science, Computer Science **(Sep 2021 – June 2025)**

# Experience:

# ASSOCIATE SOFTWARE ENGINEER Lahore, Pakistan

EaseCloud Technologies **(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 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.

# **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 classificationusingcustom 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