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 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 Tools: Airbyte, DBT, Snowflake, Metabase, Power Bi

Career Interests

Software Development Machine Learning App Development Data Analytics Data Engineering