

Muhammad Hasnain Fatmi

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Software engineer with experience in full-stack development, data pipelines, data transformation, and ML workflows. I focus on creating efficient, impactful 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)

- Responsible for complete development and deployment of multi-tenant data integration platform with multiple source connectors, snowflake, and analytics dashboards
- Implemented complete ETL pipeline Infrastructure with automated provisioning and continuous GCP monitoring, reducing infrastructure maintenance costs by 40%.
- Implemented several utility tools and business growth projects for developer productivity and workflow automation.

SOFTWARE DEVELOPMENT INTERN
Techlogix Pakistan (Pvt.)

Lahore, Pakistan
(Jul 2024 – Aug 2024)

- Gained hands-on experience while learning and assisting in basic feature implementation using .NET Core and AngularJS.
- Worked alongside senior engineers to understand requirements and implement assigned tasks.

Projects

SkillSync - FYP | RAG, DJANGO, REACTJs, SENTENCE-BERT, LANG-CHAIN, LLMs (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, FASTAPI (Apr 2025)

- This project is a deep learning model for efficient skin lesion classification using custom CNN.
- Achieved ~91% classification accuracy through transfer learning and data augmentation techniques.

HWCS | KNN, PYTHON, GLCM, FLASK (Apr 2024)

- Handwriting-based writer identification system, achieving ~93% accuracy through optimized KNN classification.
- Deployed the trained model on Hugging Face to showcase handwriting recognition capabilities.

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, Spark, Power Bi

Career Interests

Software Development

Machine Learning

App Development

Data Analytics

Data Engineering