Muhammad Hasnain Fatmi

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Software engineer with experience in full-stack development, data transformation, and ML workflows.

Education

FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES **Lahore, Pakistan**
Bachelor of Science, Computer Science **(Sep 2021 – June 2025)**

- **CGPA:** 3.00/4.00

Experience:

EaseCloud Technologies **Lahore, Pakistan**
Associate Software Engineer **(Aug 2025 – Feb 2026)**

- Responsible for end-to-end 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.

Techlogix **Lahore, Pakistan**
Software Development Intern **(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.

MoveOn | Flutter, Firebase

- Designed and deployed a cross-platform Flutter app for Faizan Movers, streamlining real-time booking for tours and wedding transport, used by 100+ users with 40+ monthly active users on Google Play.
- Implemented a secure and scalable backend with Firebase Auth, Firestore, and Cloud Functions.

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)**

- Developed handwriting-based writer identification system using KNN, Python, and GSCM, achieving 93% accuracy in classification.
- Implemented key functions such as image processing, scaling, and model training, leading to a30% reduction in classification errors. Integrated the successfully trained model into a Django-based application.

Technical Skills

Languages & Frameworks: C++, C#, Python, React, Angular, .NET Core, Django, Node.js
Databases: PostgreSQL, SQLite, MySQL, Firebase, MongoDB
Cloud & DevOps: Docker, GitHub Actions, GCP
Other Tools: Airbyte, DBT, Snowflake, Metabase