

Muhammad Hasnain Fatmi

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Software engineer experienced in building data pipelines, transforming source data, and developing full-stack applications. My goal is to create practical and efficient systems that turn data into meaningful outcomes and drive business value.

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.
- Designed and optimized Snowflake data warehouse, implementing clustering and partitioning strategies that improved query performance and reduced compute costs by 40%.
- Created interactive Metabase dashboards tracking key business metrics, reducing ad-hoc reporting requests and enabling executives to identify revenue optimization opportunities
- Implemented several utility tools using Node.js for developer productivity and workflow automation.

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

SkillsSync - 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, 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, DJANGO

(Apr 2024)

- Handwriting-based writer identification system, achieving 96% 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, Spark, Power Bi

Career Interests

Software Development Machine Learning App Development Data Analytics Data Engineering