M. Hasnain Fatmi

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I'm a software developer with a focus on AI, full-stack development, and data analytics. My goal is to build practical and effective solutions that address real-world challenges.

# Education

**FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES Lahore, Pakistan**

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

# Experience:

# SOFTWARE DEVELOPMENT INTERNSHIP AT TECHLOGIX Lahore, Pakistan

I worked as a Software Development Intern in the TMX-SD team, contributing to TLXMobility project. **(Jul 2024 – Sep 2024)**

* Worked with .NET Core to develop backend functionalities and integrate APIs for seamless data flow.
* Developed and implemented user-friendly frontend using AngularJS, with a focus on optimizing interface.
* Gained hands-on experience in API development and integration, enhancing system interconnectivity.
* Contributed to a collaborative team environment, ensuring project milestones were met efficiently.

# Technical Skills

**Languages:** C++, C, Python, C#

**Web Development:** ReactJs, AngularJs, MERN Stack, Django REST Framework (DRF), .NET Core

**Data Science/AI:** KNN, CNN, Sentence-BERT

**Database:** PostgreSQL, SQLite, MySQL, MongoDB

**Others:** HTML, CSS, Linux, Flutter

# **Projects**

**SkillSync | POSTGRESQL, DRF, REACTJs, SENTENCE-BERT (Nov 2024)**

* Using POSTGRESQL, DRF, REACTJs, SENTENCE-BERT, and other technologies, this AI-powered career guidance platform for students was created.
* Key functions: Skill Assessment, Context-aware job recommendation and Career guidance, Real-time Job Market trend visualization.

**JANWAR | ATLAS MONGODB, EXPRESS, REACT, NODEJS (May 2024)**

* Using ATLAS MONGODB, EXPRESS, REACT, NODEJS, and other technologies, this Ecommerce platform for Pet adoption and sale was created.
* Key functions: Post Ads, Sale and Buy animal companions, buy accessories, Customer Support and Hassel free transactions have been successfully integrated.

**HWCS | KNN, PYTHON, GSCM (Apr 2024)**

* Using KNN, PYTHON, GSCM, and other technologies, This Writers detection system through handwriting classification was created.
* Key functions, such as Image processing, Image scaling, feature extraction, model training and the successfully trained model has been integrated in an application made with DJANGO Framework for further showcasing.

**OVS | DBMS, POSTGRE SQL, DJANGO, HTML, CSS (Dec 2023)**

* Using DBMS, POSTGREE SQL, DJANGO, HTML, CSS, and other technologies, this Online Voting platform was created.
* Key functions, such as voter registration, Candidate verification, vote casting, election result display and result pdf downloads have been successfully integrated.

# Career Interests

1. **Software Development 2. Data Science 3. Data Analytics**