

Laraib Akhtar

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EDUCATION

- **National University of Computer and Emerging Sciences (FAST-NUCES)** Sep 2021 - Present
Bachelors of Science in Computer Science Lahore, Pakistan
 - GPA: 3.52/4.00
 - **Relevant Coursework:** Artificial Intelligence, Quantum Computing, Fundamentals of Computer Vision, Applied Machine Learning, Deep Learning for Perception, Bioinformatics, Advanced Programming.

PROJECTS

- **Final Year Project: AI-Powered Career Advisor** Sep 2024 - Present
Tools: PyTorch, TensorFlow, Next.js, Flask, Ollama, GitHub [🔗]
 - Developed an AI-driven career advisory platform using **PyTorch**, **TensorFlow**, and **Ollama**, with a **Next.js**-based responsive web interface, enabling intelligent resume optimization and personalized skill development by aligning candidate profiles with job descriptions, managed via **GitHub**.
 - Engineered a scalable system for Tailored Resume Generation, Similarity Score Index, Skill Gap Analysis, and AI-powered Job Recommendations, leveraging **PyTorch**, **TensorFlow**, and **Ollama** for advanced machine learning, deployed on a **Flask**-based backend for high performance.
- **InstantStudio: Multi-purpose Image Editing App for Android** Feb 2024 - Apr 2024
Tools: Kotlin, JetPack Compose, Python, Pytorch, Git, Flask [🔗]
 - Developed InstantStudio, an Android image editing app using **Kotlin**, **Jetpack Compose**, and AI-powered background detection with **PyTorch**, enabling precise background color changes and filter applications.
 - Managed the full development lifecycle with Agile methodology, using **Jira** and **Git**, and integrated intelligent algorithms for seamless foreground-background differentiation.
- **SuperScale: Image Upscaling using Generative Adversarial Networks** Mar 2024 - Apr 2024
Tools: Python, Pytorch, Flask, HTML, CSS [🔗]
 - Developed an AI-powered image upscaling solution using **Python** with **PyTorch**, leveraging the ESRGAN architecture to enhance low-resolution images with high-fidelity details.
 - Implemented comprehensive data preprocessing techniques, including augmentation, normalization, and rotation, to optimize model performance and image quality.

EXPERIENCE

- **CareGenix Solutions** [🌐] Jul 2024 - Aug 2024
Part-Time Software Developer Lahore, Pakistan
 - Refactored ASP.Net repositories and optimized MSSQL queries, improving website performance by 10%.
 - Designed and implemented a new model, view, and repository for an "Add New Patient Report" feature.
- **M-Labs** [🌐] June 2024 - July 2024
Game Developer Intern Remote
 - Developed a Mobile Game Trickshot Master using Unity and C#

SKILLS

- **Languages:** C, C++, C#, Java, Python, Kotlin, JavaScript, SQL, HTML, CSS, Assembly, PHP
- **Technologies:** MySQL, MSSQL, Pytorch, Tensorflow, Docker, Google Cloud Platform, SQLite, Qiskit, JetPack Compose, Git, Flask, Nextjs, Reactjs

CERTIFICATIONS

- **Coursera:** [Machine Learning Specialization](#) July 2024
- **Coursera:** [Deep Learning Specialization](#) Oct 2024
- **Arbisoft:** [Implementation of MLOps Workshop](#) April 2024