



Muhammad Hassan Adil

Computer Scientist

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EDUCATION

B.Sc. Computer Sciences
Minor in Statistics and Mathematics

Forman Christian College
Expected 2024

A Levels
Beaconhouse Gulberg Lahore

O Levels
Beaconhouse Garden Town Lahore

SKILLS

- Adobe Photoshop
- Adobe Premiere Pro
- Adobe After Effects
- Adobe Lightroom
- MS Office
- Google Suite
- Photography & Videography
- Python
- C++
- Java
- MATLAB
- RStudio
- MySQL/SQL
- Solidity for Blockchain
- MIPS

PROFILE

As a computer science enthusiast with a creative sense of thrill, I am passionate about both the art of media and the science of mathematics. Whether it's programming to develop advanced algorithms or capturing the perfect shot, I thrive on using my technical and artistic skills to solve complex problems and create unique experiences. With extensive experience in photography, videography, and photo/video editing, I am well-equipped to bring a fresh perspective to any project.

WORK EXPERIENCE

PRESIDENT 2023 - Present
FORMAN PHOTOGRAPHY SOCIETY FCCU

- Leading a team of 30+ members in organizing and covering departmental events and conducting workshops related to photography and videography
- Solely covered and captured 150 flagship events for the society, honing skills in photography and video editing
- Managed 7 different council departments within the society
- Proficiency in editing software i.e Adobe Photoshop and Premiere Pro

MEDIA DIRECTOR 2022 - 2023

Served as the director of photography for several student societies, including the Association for Computing Machinery FCCU, Lucas Economics Society, FORMUN Society, Forman Sports Society, TEDxFCCU, Women Empowerment Society, and Forman Education Society. Developed strong leadership, management, and communication skills while capturing memorable moments for these societies

TEACHING ASSISTANT 2023 - Present
SOFTWARE ENGINEERING

Assisted class of 40+ students in software engineering course with coding and debugging, graded assignments, and assistance in complete project documentation.

TECHNICAL PROJECTS

PHARMACY AND HEALTHCARE MANAGEMENT SYSTEM
Created a user friendly interface system and documentation for managing pharmacy and healthcare tasks including stock management, prescription tracking, patient record-keeping using Tkinter GUI, Python OOP, and MySQL

IMAGE RECOGNITION PROJECT:
Developed an image recognition system that accurately classifies objects using TensorFlow neural network models.
Created a user-friendly GUI to allow easy input and output of results.

SEARCH ENGINE DEVELOPMENT:
Built and optimized a search engine using Python and data structures such as hash tables and linked lists. Evaluated and optimized the search engine's performance.

FETAL HEALTH CLASSIFICATION:
Analyzed CTG data using K-Means clustering and trained multiple machine learning models to predict fetal health outcomes.
Developed and tested various machine learning models for fetal health classification.

CARD GAME AND 2048 GAME DEVELOPMENT:
Designed and implemented fully functional card game and console-based version of 2048 with user-friendly interfaces and score-keeping features using Java and C++.

UNIVERSITY MANAGEMENT SYSTEM:
Implemented a user friendly interface system using database systems for managing university courses and monitoring grading systems.

ECONOMIST CALCULATOR PROGRAM:
Developed a Python-based program to simplify calculations for a large-scale stock trading competition, including calculating profit and net profit.