
Muhammad Hamza

Software Engineer

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SKILLS

I did MSc in Computer Science from Quaid i Azam University Islamabad, Pakistan. As an MSc graduate, I have worked on a Real Time image processing system, which works on live camera footage and offline videos. Throughout my studies I have been doing high-level programming (Java, C++, Python). I'm currently working at PAF as a software engineer, and my focused language stack is C++. I also have expertise in web development (PHP) and databases (MySQL, SQLite, Access).

EXPERIENCE

Pakistan Air Force, Islamabad - *Software Engineer*

October 2022 - PRESENT

- C++ Development
- Qt Development (Qt-4)
- Socket Programming

EDUCATION

Quaid-i-Azam University, Islamabad - *M.Sc Computer Science*

2019 - 2021

University of the Punjab, Lahore - *B.Sc Computer Science, Physics, Mathematics*

2016 - 2018

PROJECTS

Crowd Monitoring System - *FYP: Used Deep Learning & Image Processing on Live Camera Feed for head count, as a security and social distancing application.*

Atlas of the Prophets - *Freelance Project: Developed in core PHP with front-end in HTML, CSS/Bootstrap/JavaScript, using multiple API integrations for record keeping of travel history of Prophets.*

Scholarship Management System - *Freelance Project: Developed in core PHP with front-end in HTML, CSS/Bootstrap/JavaScript, for automation of scholarship applications and awarding.*

Transport Management System - *Term Project: Java GUI Development.*