Umer Ghafoor

Robotic Engineer

Passionate software engineer with expertise in robotics and automation. Seeking a challenging position to contribute to innovative projects and drive technological advancements.

Skills

Software Development:

- I can develop Web & Mobile Application using Flutter.
- I can develop cross-platform apps using C++ with Qt-Framwork.
- Furthermore, I have also worked with Python and PyQt-6 to build Desktop Apps.
- I have also used OpenCV for Computer vision Applications
- I can also design Simple Websites using HTML/CSS

CAD & 3D modeling:

- I can Design 3D models for 3D Printing using **SolidWorks/Fusion 360** and cura Ultimaker
- 2D engineering Drawing using **AutoCAD**
- 3d Modeling using **Blender**

Circuit Design:

- Can design Simple Circuits & PCBs using **Proteus**

Graphic Design:

- Proficient in using **Adobe software** for graphic design tasks.

Projects:

- **Inventory System** using **C++** and the **Qt framework,** facilitating efficient stock management with customer, admin, and vendor menus.
- **Task Manager App** using **Python** and the **PyQt6** with time-based notifications for effective task management.
- **Document Scanner** using **C++** and **OpenCV,** designed to capture and flatten documents using the computer's camera.

Education

BS-CS (Robotics & Automation) from **FAST-NUCES**

Extracurricular

- Coordinator Graphic design at **IEEE-FAST(2022-2023)**
- Coordinator Graphic design in **ISYWSC 2022**

Contact

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Programming Languages

- C++
- Python
- Dart
- HTML/CSS
- MATLAB

Technology/Framework

- Flutter
- Qt
- OpenCV

Software programs

- Adobe Creative Suit
- Microsoft Office
- Microsoft Visual Studio
- Android Studio
- Visual Studio Code
- Blender
- SolidWorks
- Fusion 360
- AutoCAD
- Proteus

Soft Skills

- Project Management
- Team work
- Creative Problem-Solving
- Self Motivated