

Mubashir Iqbal

AI Researcher | System Engineer | Software (Qt C++) Engineer | Web Developer

Why Mubashir?

Highly motivated and results-oriented software engineer with 6 years of experience, including 1 year as a team lead. I excel at driving projects from inception to completion while fostering strong team collaboration. Proven ability to manage timelines, budgets, and resources effectively, ensuring quality deliverables that meet user requirements and business objectives. Possess excellent problem-solving, analytical thinking, lifelong learning, documentation, communication, and leadership skills, building bonds with stakeholders and motivating teams to achieve their full potential.

PROJECTS

Development Concepts and Methodologies:

- ✓ Efficient handling of time-critical events, timers, and elapsed timers. Proficient in enumerations, structures, signal slots, and OOP concepts. Real-time system and sensor updates, dynamic buttons, file I/O, user preferences, and configuration. Smooth performance and robust error handling.
- ✓ Direct manipulation of hardware addresses through FPGA (experience with DE10-nano Dev Kit, SMT32, etc)
- ✓ Automated process execution on single click, and report generation. Well-formatted HTML reports with printing options

Recently Projects:

- PakVent-1 (Hospital ICU Ventilator with pressure and volume modes)
- Multi-Function Test Equipment (Frequencies, Phase-differences, Signal Amplitudes, Signal Indications, DC supplies, etc)
- Test Equipment of Power Management Unit
- Automatic Gas Monitoring System in Chemical Lab
- Test Equipment of Industrial Accelerometer
- Motorola mobile firmware repair (ADB & Meta mode, Repair IMEI No, Unblock SIM, etc)

EMPLOYMENT HISTORY

REMOTE PROJECTS

From April 2024

Remotely led diverse teams delivering AI/ML, data science, C++, and website projects on time and budget. Boosted client results and thrived in online collaboration. Driven by learning, and skilled in artificial intelligence and software engineering, I'm ready to contribute to your team's success.

SYSTEM & SOFTWARE ENGINEER | PAKISTAN

March 2017 – May 2024

Delivered strategic software projects by crafting URs, SRSs, and SQA docs. Mastered software architecture, UI design, and hardware integration. Debugged with precision, ensuring timely and high-quality results through close collaboration with the hardware and QA teams.



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SKILLS & STRENGTHS

- | | |
|-----------------------|-------|
| • Software Dev | ★★★★★ |
| • Web Dev | ★★★★☆ |
| • AI Data-Science | ★★★★★ |
| • Online Research | ★★★★★ |
| • Communication | ★★★★★ |
| • Project Management | ★★★★★ |
| • Team Leadership | ★★★★☆ |
| • Data Analysis | ★★★★★ |
| • Git, Open-Source | ★★★★☆ |
| • Affiliate Marketing | ★★★★☆ |
| • Websites SEO | ★★★★☆ |
| • Graphic Designing | ★★★★☆ |

PROGRAMMING LANGUAGES

- QT C++, Python, Django, PHP
- Front-end, AJAX, JSON, MySQL

EDUCATION

MS COMPUTER SCIENCE

[COMSATS University Islamabad, Wah Campus, Pakistan](#)

Learn ML, DL techniques, Interpretable AI Techniques, Visualization, NLP, Information retrieval, Data-Mining, NN Designing, and the Django framework

BS COMPUTER SCIENCE

[Virtual University of Pakistan](#)

Software development, Qt C++ framework, Web development, WordPress, Project and Team Management, Reverse Engineering

LANGUAGES

English

★★★★☆