

Fatima Ali

Results-driven C# developer with 6+ years of experience designing, developing, and optimizing applications across WPF, .NET Core, MVC, WinForms, and legacy systems.

EXPERIENCE

Freelancer on upwork, Remote — C# Developer

March 2023 - PRESENT

Developed and maintained **.NET desktop applications** for various long-term clients, focusing on performance, security, and user experience.

Key contributions:

- Designed and implemented **WPF applications** with a focus on efficiency, scalability, and intuitive UI/UX.
- Developed **custom tools and utilities** involving data processing, search functionality, and encryption techniques.
- Worked with **multi-threading and optimization** to enhance application performance.
- Integrated **secure data storage and encryption** mechanisms to protect sensitive information.
- Provided technical consultation, requirement analysis, and full-cycle software development.

Bentley Systems, Islamabad— Software Engineer I

January 2020 - May 2023

Developed **3D graphical components** for OpenPlant Modeler, streamlining accurate and efficient plant design.

Implemented **dynamic rendering**, integrating real-time rotation and drag functionalities.

Enhanced **OpenPlant Modeler** by resolving **100+ critical bugs**, implementing **15+ new features**, and optimizing performance, leading to a **25% improvement in rendering speed** and **30% reduction in crashes**

Contributed to the development of a cutting-edge 3D Plant Design and Modeling Software, streamlining complex engineering tasks in C# and C++/Cli.

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SKILLS

Languages:

C# , C++/CLI, Python

Frameworks & Technologies:

WPF, WinForm, MVC, .NET core & .NET Framework

Databases: SQLite, MySQL

AWARDS

Shining Star Award 2021 & 2022 - Bentley Systems

EDUCATION

BS Computer Science
University of the Punjab,
Pakistan

September 2014 - July 2018

Thesis: An Automated Quiz System with Rule-Based Machine Learning [C#]

Tech Avenue Pvt Ltd, Islamabad— *Software Engineer*

April 2019 - January 2020

Led the development of a **secure web portal** using MVC, incorporating analytics, tracking, and security modules.

Engineered a **real-time Face Recognition & Detection system** using **Dlib, TensorFlow, and MTCNN** in Python.

Designed an **advanced pedestrian tracking system**, improving surveillance accuracy through innovative algorithms.

Bentley Systems, Islamabad— *Software Engineer Intern*

June 2018 - February 2019

Developed a **ribbon serializer**, dynamically generating UI components (ribbons, toolbars, application buttons) from XML using a DOM parser in MFC C++.

Built a C# **WinForm application** to extract database information and generate **custom Excel and text reports** based on user-defined queries