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# EDUCATION

**University of Engineering & Technology, Lahore** Lahore, Pakistan

Master of Sciences in Data Science ( 2 years ) September 2024

**Punjab University College of Information Technology** Lahore, Pakistan

Bachelor of Science ( 4 years) - Computer Sciences September 2016 - August 2020

# SKILLS SUMMARY

 **Languages:** C#, C++, SQL, Python

 **Frameworks:** . NET Framework, ASP. NET MVC, ASP. NET Core, WPF, MVVM

 **Tools:** My SQL, SQLite, Excel, Power Point, GIT, Azure Dev Ops

 **Platforms:** Visual Studio Enterprise, Visual Studio Code, Jupyter Notebook

 **Soft Skills:** Effective communication, Collaborative team player, Adaptable,

Detail- oriented, Problem- solving mindset, Innovative thinker, Results-

driven

 **Communication** Proficient in spoken and written English; strong l istening and

**Skills:** interpersonal skills

# WORK EXPERIENCE

## SOFTWARE DEVELOPER | [A+W ( Germany](https://www.a-w.com/us/)) JANUARY 22 - PRESENT

 Developed and maintained desktop applications using ASP. NET MVVM and ASP. NET Core frameworks.

 Implemented server- side business logic and data processing algorithms using C#.

 Designed responsive, user- f r iendly UIs with WPF.

 Managed data storage and retrieval with SQL databases ( Microsoft SQL Server, My SQL), optimizing queries for performance.

 Applied automated testing strategies ( unit testing, integration testing) to ensure code quality and reliability.

 Collaborated with cross- functional teams ( designers, testers, product owners) to deliver software solutions on t ime and within budget.

 Participated in code reviews to maintain high- quality and consistent code.

 Stayed updated on . NET technologies and industry best practices through continuous learning.

## EXPOSURE:

 Familiar with cloud platforms such as Microsoft Azure and AWS for deploying and scaling web applications.

 Experienced with containerization technologies ( e. g., Docker) for isolated application deployment.

 Knowledgeable in microservices architecture and i ts practical implementation.

 Exposure to Dev Ops practices, including CI/ CD pipelines using tools l ike Azure Dev Ops.

 Proficient with version control systems ( e. g., Git) for managing repositories and team collaboration.

 Familiar with Agile methodologies ( e. g., Scrum) for i terative software development and delivery.

# PROJECTS

## CAD DESIGNER SHAPES JANUARY 22 - PRESENT

Developed a desktop- based CAD application for customizing glass designs in architectural projects.

Led the development of the DXF Dialog module, providing a user- f r iendly interface for customizing glass shapes and dimensions.

Implemented backend services using ASP. NET for data processing and CAD design management.

Designed and built interactive frontend components using the MVVM pattern, ensuring a responsive user experience.

Integrated third- party l ibraries to enhance CAD drawing capabilities, including measurement tools and export functionalities.

## PATTERN VIEWER TESTER APPLICATION MARCH 23 - JUNE 23

Developed a desktop application to test various aspects of pattern views, workflows, and optimized patterns.

Designed and implemented core functionality using C# and the . NET Framework.

Built modules to test pattern rendering, workflow execution, and optimization algorithms. Implemented features for loading, saving, and retrieving pattern configurations for future use.

Created an intuitive user interface for configuring test parameters, running tests, and analyzing results.

# CERTIFICATIONS

## [PYTHON BASICS |](https://www.coursera.org/account/accomplishments/verify/QRZRQEGC2LSK) [CERTIFICAT](https://www.coursera.org/account/accomplishments/verify/QRZRQEGC2LSK)E JULY 2019

Mastered fundamental Python syntax, proficiency utilizing control f low, loops, functions, and data structures.

Acquired expertise in procedural programming and associated logical concepts, enhancing capabilities.

## [GENERATIVE AI |](https://www.linkedin.com/learning/certificates/892a2cc04a4d0359fa6c2bec8c9cf20f859fd96cc8a2576d45d7b758887d62dd) [CERTIFICATE](https://www.linkedin.com/learning/certificates/892a2cc04a4d0359fa6c2bec8c9cf20f859fd96cc8a2576d45d7b758887d62dd) JANUARY 2024

Completed " What is Generative AI?" course on Linked In Learning, gaining a foundational understanding of generative artificial intelligence ( AI) techniques and applications.

Acquired knowledge on the basics of generative AI, including its principles, algorithms, and real- world use cases, enhancing proficiency in the f ield of artificial intelligence and

machine learning.

## [PROJECT MANAGEMENT FOUNDATIONS: TEAMS|](https://www.linkedin.com/learning/certificates/069ad9e906c70aa92527e5632bc4507b5587bab00d167b0a67b299cf73922eb6) [CERTIFICATE](https://www.linkedin.com/learning/certificates/069ad9e906c70aa92527e5632bc4507b5587bab00d167b0a67b299cf73922eb6)

**JANUARY 2024**

Successfully f inished the " Project Management Foundations: Teams" course on Linked In Learning, acquiring fundamental knowledge of effective team management strategies and practices.

Expanded understanding of project management principles related to team dynamics, collaboration techniques, and leadership skills, enhancing capabilities to lead and participate in successful project teams.

## BIGDATA 101 | [CERTIFICATE](https://courses.cognitiveclass.ai/certificates/b564393259074e6484bc998762458ea9) SEPTEMBER 2024

Gained foundational knowledge of Big Data concepts, including data types, Hadoop, and Spark f rameworks.

Explored key Big Data technologies and their applications in real- world scenarios, focusing on data storage, processing, and analysis.