



Laiba Aamir

Date of birth: 07/03/2005 | **Place of birth:** Faisalabad, Pakistan | **Nationality:** Pakistani |

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● ABOUT ME

Pursuing a degree in **BS Software Engineering**, with a strong foundation in **Data Structures, Python, C++**, and **Machine Learning**. Skilled in data preprocessing, data handling, and database management with high accuracy and attention to detail. Possesses strong analytical and problem-solving abilities, with a keen interest in contributing to innovative AI and software development projects in a dynamic tech environment.

● EDUCATION AND TRAINING

30/09/2023 – 30/06/2027 Faisalabad, Pakistan

BS SOFTWARE ENGINEERING The University of Faisalabad (CGPA 3.74)

Level in EQF EQF level 6

29/10/2021 – 08/08/2023 Faisalabad, Pakistan

FSC (PRE-ENGINEERING GROUP) Govt . Graduate College For Women, Chak No. 122/JB, Sargodha Road

Level in EQF EQF level 4

01/03/2019 – 15/07/2021 Faisalabad, Pakistan

MATRIC (SCIENCE GROUP) Govt . Girls High School, 120/JB

Level in EQF EQF level 2

● INTERSHIPS

15/07/2025 – 02/09/2025

VIRTUAL INTERNSHIP AS A MACHINE LEARNING INTERN AT DIGITAL EMPOWERMENT NETWORK

Demonstrated dedication, creativity, and proactive learning. Contributed to assigned machine learning tasks and projects. Showed strong commitment to professional growth

23/08/2024

Cybersecurity Job Simulation From Telstra (Online)

Responding to a malware attack, analyzing the attack, (Technical) Mitigate the malware attack.

● PROJECTS

Hyperion Code Diagnostics

A full-stack web application built using modern web technologies and connected to MongoDB, designed to assist users in identifying and resolving code errors efficiently with the help of AI-powered debugging tools.

Breast Cancer Classification Analysis with Feature Selection

Analyzed Logistic Regression and Random Forest models on the Breast Cancer Wisconsin dataset, showing that feature selection improves simplicity, interpretability, and efficiency without sacrificing accuracy.

Clustering and Dimensionality Reduction Using PCA

Applied PCA for dimensionality reduction and K-Means/DBSCAN clustering on the Mall Customers dataset to identify customer segments and improve data visualization.

Population Tracker

A C#-based application integrated with MySQL for efficient population counting and management. The project collects, stores, and analyzes population data with accuracy, providing real-time insights and reports for planning and decision-making.

Heart Disease Prediction Using Machine Learning

Built Logistic Regression and Random Forest models on the UCI Heart Disease dataset, achieving ~92% accuracy through feature selection and hyperparameter tuning to predict heart disease.

● COURSES

09/07/2025 – 02/09/2025

Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming from Stanford University (coursera)

Covering essential algorithmic strategies, including greedy algorithms for optimization problems, minimum spanning trees for efficient network design, and dynamic programming techniques for solving complex problems with overlapping subproblems

09/07/2025 – 02/09/2025

Graph Search, Shortest Paths, and Data Structures from Stanford University (coursera)

Focused on fundamental graph algorithms, including graph traversal, shortest path computation, and essential data structures. It emphasizes efficient problem-solving, algorithm design, and practical implementation for real-world computing challenges

31/12/2023 – 29/02/2024

Machine Learning for All from University of London (coursera)

Learn the basics of machine learning, its impact on data, and how to train models without coding. Understand its benefits and risks in society.

10/05/2024 – 16/07/2024

Supervised Machine Learning: Regression and Classification from DeepLearning.AI, Stanford University (coursera)

Learn to build and train machine learning models using Python with NumPy and scikit-learn.

01/07/2024 – 27/08/2024

Career Essentials in Generative AI by Microsoft and LinkedIn

Learn the fundamentals of Generative AI, its applications, and ethical use. Gain skills to integrate AI-powered tools into various industries.

01/03/2024 – 27/04/2024

Cybersecurity for Everyone from University of Maryland, College Park (coursera)

Gain a basic understanding of how cybersecurity protects data, systems, and networks from threats.

● CONFERENCES AND SEMINARS

19/11/2025 Faisalabad

3rd International Conference on Advance STEAM Education

Innovative approaches in Science, Technology, Engineering, Arts, and Mathematics (STEAM), emphasizing modern teaching methods, cutting-edge research, and interdisciplinary learning to prepare students for the challenges of the future.

05/11/2025 Faisalabad

Importance of LLM (Large Language Models) In Generative AI

Exploring the role of Large Language Models in Generative AI, emphasizing language comprehension, content creation, automation, and their transformative applications across industries.

05/08/2025 Faisalabad

Exploring the Future of Data Science & AI

A seminar on the evolving role of Data Science and Artificial Intelligence, highlighting machine learning, big data, automation, and their practical applications across industries.

11/10/2024 Faisalabad

DIGITAL MARKETING & SHOPIFY

Learn to leverage digital marketing strategies and optimize Shopify stores for business growth, covering SEO, ads, and e-commerce best practices.

14/05/2024 Faisalabad

E-COM START-UP TO SCALE-UP

A comprehensive program guiding entrepreneurs from launching an e-commerce business to scaling it for growth, covering strategy, marketing, and operations.

04/05/2024 Faisalabad

IEEE Faisalabad Students, Young Professional Women in Engineering Congress

IT involves computing, networking, cybersecurity, and data management, while AI enhances automation and decision making. Together, they drive innovation and digital transformation.

● SKILLS

Programming & Coding

Python programming | Object-oriented programming | C++ programming | Writing efficient algorithms

Machine Learning & AI Skills

Building ML models (Regression, Classification) | Data preprocessing and feature engineering | valuating model performance (accuracy, precision, recall, F1-score) | Designing and training CNNs | mplementing KNN & Random Forest

Data Handling & Database Skills

SQL querying | MySQL database management | Data cleaning and validation | Excel data manipulation | Pandas & NumPy for data analysis

Tools & Frameworks

TensorFlow | Jupyter Notebook, Google Colab | Keras | PyTorch | Scikit-learn

Version Control & Collaboration

Git/GitHub | Code versioning

Soft / Data Entry Skills

High accuracy in data entry | Attention to detail | Analytical thinking | Time management | Efficient data handling

● DISTINCTION CERTIFICATE

Achievement

Rafiq certificate for achieving 93.7% in 3rd semester

● NETWORKS AND MEMBERSHIPS

Faisalabad

IT Society

I am a member of the IT Society, actively engaging in tech discussions, workshops, and events to enhance my skills and stay updated with industry trends.