

Arbaz Ahmed Awan

241-A Faisal Town Lahore

Mobile: +92-349-8684215 | Email: arbazawan2004@gmail.com | LinkedIn: [Arbaz Awan](#) |

GitHub : <https://github.com/ar-baazaja>

Education

Ghulam Ishaq Khan Institute (GIKI) – B.S Computer Science

August 2022 – June 2026

Relevant Courses: Computing and AI Lab, Computing and AI, Calculus I, Object-Oriented Programming and Design Lab, Object- Oriented Programming and Design, Differential Equations and Linear Algebra, Probability and Statistics, Data Structure and Algorithms, Critical Thinking and Expository Writing Lab, Critical Thinking and Expository Writing.

Punjab Group of Colleges Lahore – Intermediate (Pre Engineering)

August 2019 – July 2021

Grade: B

Academic projects

Breast Cancer Prediction

Nov 2024

- Implemented a machine learning model for breast cancer diagnosis using clinical data.

Resume Selection Using NLP

Dec 2024

- Engineered an NLP-based system to rank and filter resumes based on job descriptions.

Blood Chain App Design

March 2024

- Designed an innovative mobile application aimed at facilitating blood donations to hospitals.
- Developed a feature that enables hospitals to create blood donation requests, which are then broadcasted to nearby donors through the app.
- Implemented a user-friendly interface and integrated location-based services to ensure efficient donor matching and blood donation coordination.

JobSeeker – Full-Stack Job Portal

April 2024

- Developed a web app where companies can post jobs and conduct interviews, and job seekers can apply.
- Built using Flask (Python) for backend, HTML/CSS for frontend, and SQLite for data persistence.
- Enabled real-time interactions and streamlined recruitment through a clean dashboard interface.

Hybrid CPU-GPU Image Segmentation with K-Means Clustering

April 2024

- Implemented a high-performance K-means image segmentation algorithm using CUDA and OpenMP, achieving up to $6.7\times$ speedup over serial and $2.2\times$ over CUDA-only methods.

Leadership Experiences

Leadership and Entrepreneurial Society – Assistant *Director Marketing*

September 2023 – Present

- Collaborated with The Catalyst, GIK Incubator to introduce start-up culture on campus and organized professional seminars, achieving **200% audience growth**
- Contributed to designing and organizing the **inaugural case study competition at GIKI**.
- Led the collaboration with **3 startups** providing in-house opportunities to **15 undergraduate students**

Jazba Welfare Organization – *Data Analyst/Financial Analyst*

December 2023 – Present

- Analyzed financial data and managed a budget exceeding 150,000 rupees for welfare operations spanning across 4 provinces in Pakistan.

Media Club-GIK – *Vice President*

September 2021 – Present

- Revamped the marketing strategy, incorporating FAQs and dynamic posters in the social media campaign attaining a **25% increase in impressions** across social media.
- Organized KP's Largest Media related event managing a foot fall of **500 Participants** and managed a **Budget of Rs. 2.7 Million**

Technical Skills

- **Programming Languages:** C++, Java, Python, JavaScript, PHP
- **Frameworks & Libraries:** React.js, Node.js, Express.js, Flask, TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, MERN Stack
- **Databases:** MongoDB, MySQL
- **Data Science & ML:** Data preprocessing, model development, evaluation, visualization (Matplotlib, Seaborn)
- **NLP & AI:** Resume filtering, translation models, text classification (SpaCy, Seq2Seq)
- **Image Processing:** K-Means segmentation, Flask media apps, OpenCV basics
- **Tools:** Git, GitHub, Adobe Photoshop, Illustrator
- **Concepts:** OOP, Data Structures & Algorithms, SDLC, Agile
- **Soft Skills:** Problem-solving, fast learner, adaptable, teamwork, deadline-oriented