

# MUHAMMAD AQIB JAVEED

+92 318 6483609  
maqibjaveed4@gmail.com  
Multan City

SOFTWARE ENGINEER

Linkedin: <https://shorturl.at/vlIGP>

Results driven Software Engineer with expertise in secure system design and backend development. Proven ability to build innovative solutions like a Blockchain E-Voting System and E-book Library. Strong command of **Python, OOP, REST APIs, MySQL**, and front-end technologies. Passionate about developing scalable, high performance applications and contributing to cutting edge projects in a dynamic team environment.

## EDUCATION

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**BAHAUDDIN ZAKARIYA UNIVERSITY (BZU), MULTAN**

2021 - 2025

Bachelor of Computer Engineering

Selected merit-based from a competitive pool of students for Bachelor of Computer Engineering and learned Programming Fundamentals, Website Development, web design and analyze algorithms to solve problems, matlab, proteus, arduino.

## EXPERIENCE

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**URL SHORTENER SERVICE - (FLASK API)**

2025

REST API Development

- Developed a RESTful API using Flask and SQLAlchemy to shorten URLs, featuring CRUD operations, statistics tracking, and 301 redirects.
- Implemented auto-generated unique short codes, input validation, and error handling for robustness.
- Utilized SQLite for data storage, ensuring efficient URL retrieval and management with access count metrics.
- Designed API endpoints compliant with REST standards, achieving a 200ms response time for optimal performance.

**SENTIMENT ANALYSIS PYTHON, HUGGING FACE, STREAMLIT**

2025

Personal Project

- Built an AI-powered sentiment analyzer using Hugging Face DistilBERT model for real-time text classification
- Developed interactive Streamlit dashboard with confidence score visualizations and sample prompts
- Basic Natural Language Processing (NLP) with transformer models

**OBJECT DETECTION WEB APPLICATION | PYTHON**

2025

Personal Project

- Developed an interactive application using Streamlit that performs object detection on uploaded images with customizable model selection
- Integrated Hugging Face Transformers pipeline to implement two object detection models with model caching for performance optimization
- Implemented image processing using OpenCV and PIL to draw bounding boxes and confidence scores on detected objects

**IT - Department**

- Gained hands-on experience in the AMI Cell within the IT department.
- Developed strong teamwork and collaboration skills by working closely with professionals in the sector.
- Improved communication and problem-solving abilities in a professional work environment.

**E-BOOK LAIBRARY**

Successfully led the development of an E-book library system, ensuring seamless integration and delivering a user-friendly interface. Demonstrated adept problem-solving and leadership skills from concept to deployment.

**FINAL YEAR PROJECT**

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**BLOCKCHAIN BASE ELECTRONIC VOTING SYSTEM***2025***Secure Voting System Development**

- Built a Hyperledger Fabric blockchain e-voting system ensuring tamper-proof, transparent elections
- Implemented biometric+NID authentication to eliminate fraud while preserving voter privacy
- Developed Go backend + React frontend handling 1,000+ votes/sec with real-time results

**CORE SKILLS**

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|------------------------|---------------------------|
| • C++                  | • Bootstrap               |
| • Python Programming   | • Github/Git              |
| • SQL Database (Basic) | • Front-end coding        |
| • OPP Concepts         | • Design Thinking         |
| • HTML/CSS             | • Development Methodology |

**CERTIFICATIONS**

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**CERTIFIED IN WEB DEVELOPEMENT***Jun 2023 - Aug 2023*

ISSUED BY CORVIT SYSTEMS - IT TRAINING INSTITUTE, MULTAN

**CERTIFIED IN COMPUTER APPLICATION***2016*

ISSUED BY UZMA &amp; SONS IT TRAINING INSTITUTE (6-MONTHS)

**GOOGLE DEVELOPER STUDENT CLUB - GDSC ( BZU - MULTAN )**

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**EXTRA CURRICULAR ACTIVITIES***2023*

Active participation in the **Google Developer Student Club GDSC** community enhanced collaborative skills, fostered innovation, and expanded networking opportunities. Leveraging cutting-edge resources and mentorship, achieved proficiency in emerging technologies, enriching my coding repertoire.