M SHAHROZ ALI

Email: msherozalinwl@gmail.com   **LinkedIn:** Muhammad Shahroz Ali   **Portfolio:** Shahroz's portfolio

SUMMARY

I am a passionate Software Engineer with expertise in developing innovative solutions for web applications. With hands-on experience in web development, graphics designing, backend and API development, I have successfully contributed to multiple projects. My goal is to deliver robust and user-friendly applications that solve real-world problems.

SKILL SUMMARY

- **Languages:** Python, JavaScript, C++
- **Databases:** MySQL, MongoDB
- **Libraries & Tools:** Pandas, NumPy, Matplotlib, gtts, OPENAI, TensorFlow, Flask, Node.js, Git, GitHub
- **Soft Skills:** Critical Thinking, Problem-Solving, Effective Communication

WORK EXPERIENCE

Python Internee, AIBridge Lahore   **Aug 2024 - Present**

- Developed RESTful APIs using Flask for web-based applications.
- Integrated third-party APIs and optimized database queries for improved efficiency.
- Worked on debugging and optimizing Python code for better performance.
- Contributed to documentation and code reviews to maintain high coding standards.

PROJECTS

AI-Powered Virtual Assistant | Github

- Built a voice recognition AI assistant using Python, OpenAI API, and SpeechRecognition.
- Integrated real-time functionalities such as opening applications, playing music, and responding to queries.

ArithmoCompiler | Github

- Implemented lexical analysis and top-down parsing algorithms for a compiler construction project.
- Developed an interactive interface to analyze, parse and evaluate arithmetic expressions.

PDF to Audio Converter | Github

- Designed a web-based tool for converting PDFs to audiobooks with natural text-to-speech conversion.
- Implemented multi-language support and different voice tone selections.
- Developed a responsive UI with real-time progress indicators using HTML, CSS, and JavaScript.

EDUCATION

University of Engineering and Technology Lahore   **Nov 2021 - June 2025**
Bachelors in Computer Science(BSCS) | CGPA: 3.09
Expected Graduation: June 2025

Royal College of Science, Narowal   **May 2019 - OCT 2021**
Intermediate in Computer Science(ICS) | Percentage: 88%

CERTIFICATIONS

- **LeetCode Top 50 SQL Badge –** LeetCode
- **Software Engineer –** Hacker rank
- **Introduction to Gen AI –** Google Collab
- **Python fundamentals –** Great Learning