

Mirza Muhammad Shaheer Baig

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As a full stack developer, I'm driven by the genuine excitement of building applications that make a real difference in people's lives. I've had the privilege of working across the entire stack—from crafting intuitive React interfaces to designing robust Node.js backends with Express and MongoDB—and I find real joy in solving complex problems. What I love most is the collaborative journey; I thrive when working alongside talented people, learning from their perspectives, and growing together in fast-paced environments. My background has taught me that great code comes from understanding not just the technical challenges, but also the human needs behind them. I'm genuinely motivated to contribute meaningfully to teams that share a passion for creating quality solutions, and I believe my enthusiasm and commitment make me someone who brings both skill and heart to every project.

EDUCATION

NUTECH (National University of Technology)	Islamabad, Pakistan
<i>Bachelor of Science - Software Engineering</i>	<i>currently enrolled</i>
CGPA: 2.94/4.00	2023-2027
Punjab Group of Colleges	Faisalabad, Pakistan
<i>HSSC (Intermediate - FSC, Pre- Engineering)</i>	<i>2021- 2023</i>
Grade: A	
Divisional Model College	Faisalabad, Pakistan
<i>SSC (Matriculation)</i>	<i>2019-2021</i>
Grade A+	

AWARDS & CERTIFICATES

- 1st Position** – ICAT Project competition **NuGames** at **NUTECH** University, Islamabad **2024**
- Certificate of appreciation for participation in **IEEE** (Institute of Electrical and Electronics Engineers) **2024**
- Certificate of securing **100%** marks in **Hifz-ul-Quran** from Rabta-tul-Madaris. **2018**
- Awarded with **GOLD MEDAL** for securing **98%** marks in matriculation at D.M.C, Faisalabad. **2021**
- Winner of **Qirat Competition** in 2015 at Dar-e-Arqam School Faisalabad **2015**

ACADEMIC PROJECTS

<u>NuGames</u>	2024
<i>Skills Gained: Team collaboration, Java programming, GUI development, and project integration using Visual Studio Code</i>	
<ul style="list-style-type: none">Developed a Tic-Tac-Toe game as a part of a group project, showcasing core Java programming skills and game logic implementation.Successfully integrated the game into NuGames, a Java-based gaming application built collaboratively with team members using Visual Studio Code	
<u>NuQuizzer</u>	2025
<i>Skills Gained: Python programming, educational tool development, teamwork, and user-focused design</i>	
<ul style="list-style-type: none">I worked with my team to create NuQuizzer, an educational app designed to make studying easier and more interactive. It includes features like MCQ generation by topic, a timetable scheduler, and options to search for information or educational videos on any subject.We built the app using Python, focusing on keeping it simple, helpful, and easy to use—making sure it could really support students in their daily learning.	

NUsphere

2026

Skills Gained: Full-stack web development, database management, user authentication, and responsive UI design

- I worked with my team to create NUsphere, a comprehensive academic management platform designed to help students streamline their university life. It includes features like real-time attendance tracking, automated GPA calculation, grade prediction, and an integrated academic tracker to keep students organized.
- We built the app using the MERN stack (MongoDB, Express, React, and Node.js), focusing on creating a secure, intuitive, and modern user experience that simplifies complex academic data into helpful insights for every student.

Other Projects

CyberShell

2025

Skills Gained: C system programming, Python GUI development, AI integration, and inter-process communication.

- I worked with my team to create CyberShell Hybrid, a high-performance terminal ecosystem that bridges low-level Linux operations with a stunning cyberpunk-inspired interface. It integrates a robust C-based shell engine supporting pipelines and job control with a PyQt6 frontend featuring a real-time Google Gemini AI assistant and live system diagnostics.
- We developed the project using a hybrid architecture to ensure maximum performance and modern usability. By combining efficient process management in C with an immersive, AI-enhanced user experience in Python, we transformed the traditional command-line interface into a powerful, interactive workstation.

ChessMaster

2026

Skills Gained: Full-stack engineering, real-time communication (WebSockets), 3D graphics, and mobile development

- Independently developed ChessMaster, a premium full-stack chess ecosystem designed for competitive gameplay and advanced strategic analysis. It features real-time multiplayer matchmaking powered by Socket.io, an immersive 3D game board built with Three.js, and an integrated analysis engine that allows users to review and learn from past games.
- I architected the platform using React 19, Node.js, and PostgreSQL (Prisma), implementing a scalable social system with friend invites and performance tracking. To ensure a truly cross-platform experience, I integrated Capacitor for mobile deployment, bringing high-fidelity chess to both web and mobile users through a single, cohesive codebase.

WearEX

Working

Skills Gained: Full-stack web development, real-time database integration (Supabase), server-side rendering (Next.js), and UI/UX optimization

- I engineered WearEX as a state-of-the-art platform tailored for e-commerce enthusiasts who demand a fast, visually stunning, and highly functional shopping experience. The site features a dynamic product catalog with real-time updates, secure user accounts, and an integrated shopping cart system designed for maximum usability.
- Built on the Next.js 15 framework and powered by Supabase, the application implements complex server-side logic for high SEO performance and lightning-fast load times. I focused on detail-oriented design using Tailwind CSS and Framer Motion, ensuring a responsive and premium feel that bridges the gap between traditional retail and modern digital commerce.

Portfolio Website

Skills Gained: Front-end design, professional branding, and high-performance asset optimization

- I designed and deployed a cinematic personal portfolio to centralize my technical projects and professional identity. The site utilizes a high-performance, single-file architecture with optimized assets, ensuring a fast and immersive user experience for recruiters and collaborators.
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VOLUNTEER EXPERIENCE

Rising Star Initiative

NUTECH, Pakistan

Member Since 2024

A student-led NGO dedicated to help underprivileged communities by providing donations, food and essential support to those in need.

TRAINING, SEMINARS, WORKSHOP

- Attended the Future Synergy Summit 2.0 at NUTECH **2025**
- Attended a seminar on Career Counseling & Entrepreneurship at NUTECH **2024**
- Attended a seminar on Future Ready: Preparing for Successful Careers at NUTECH **2023**
- Participated in a workshop on Skills Management & Presentation Skills at NUTECH **2024**
- Participated in a training on "CV Preparation & Communication Skills" **2025**

EXPERTISE

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| 1. MS Office | 6. Github |
| 2. Visual Studio Code | 7. Git |
| 3. Linux | 8. Dev-C++ |
| 4. Antigravity | 9. MySQL |
| 5. Eclipse IDE | 10. Kernel |

SOFT SKILLS

- Project Management
 - Adaptability
 - Effective Communication
 - Critical Thinking
 - Problem Solving
 - Leadership skills
 - Teamwork
 - Time Management
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