Hafiz Muhammad Rizwan

SOFTWARE ENGINEER

CONTACT INFORMATION:

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Portfolio: https://hafiz-muhammad-rizwan.github.io/Portfolio/

SUMMARY:

I am Software Engineer with a strong foundation in programming principles and a passion for learning new technologies quickly. Proficient in C++,**SQL, Flutter**, **Dart**, **HTML, CSS**, and **JavaScript**, with experience in mobile and web development. Currently pursuing a Bachelor's in Software Engineering at **FAST** University, a well-reputed institution. Adept at **problem-solving**, adapting to different **tech stacks**, and developing efficient, scalable applications. Seeking opportunities to apply my skills in **full-stack engineering**.

EXPERIENCE:

Flutter Internee   **04/2025 – Present**
IPS Technologies
Achievement
- Successfully developed and deployed multiple real-world mobile apps using Flutter and Dart.
- Integrated RESTful **APIs** to fetch and display dynamic data within mobile applications.
- **Led a small development team**, assigned tasks, and ensured on-time project delivery.
- Collaborated directly with clients to gather requirements, demonstrate progress, and deliver tailored solutions.

PROJECTS:

- **Currency Convertor**
  Developed a Currency Converter app using Flutter, integrating a real-time currency exchange API to fetch live conversion rates. Implemented state management for efficient data handling   and UI updates.
  Tech Stack: Dart, Flutter, Rest Api, State management, Android Studio
- **Library Management System**
  Developed a cross-platform app to manage book borrowing, returning, and searching with a user-friendly interface.
  Tech Stack: Dart, Flutter, Android Studio
- **Calculator Application**
  Created a basic calculator app with arithmetic operations and a clean, responsive UI.
  Tech Stack: Dart, Flutter, Android Studio
- **Mini Instagram**
  Built a command-line version of Instagram with features like posting, sending friend requests, messaging, and following users, using core data structures.
  Tech Stack: C++, Data Structure, Visual Studio
- **Contact Book**
  Developed a console-based contact book using pure OOP principles, allowing users to add, update, and search contacts.
  Tech Stack: C++,OOP, Visual Studio
- **CGPA Calculator**
  Developed a responsive CGPA calculator using HTML, CSS, and JavaScript to help students compute their cumulative GPA based on individual semester GPAs and credit hours.
  Tech Stack: HTML, CSS, JavaScript
- **Climate Change Data Analysis**
  Analyzed Berkeley Earth Surface Temperature data using Python and statistical methods (mean, median, mode, variance, standard deviation). Visualized trends via line charts, histograms, and box plots. Applied linear regression and binomial distribution to predict future climate patterns and assess extreme weather risks.
  Tech Stack: Python, HTML, CSS
- **Game Store Management System**
  Developed a full-stack e-commerce platform for video game sales using Node.js, Express.js, and MySQL. Implemented JWT authentication, role-based dashboards, product management, secure APIs, and real-time inventory updates to ensure a scalable and secure shopping experience.
  Tech Stack: Node.js, Express.js, MySQL, JWT, REST APIs

EDUCATION
Bachelor of Software Engineering(2023-Present)
A dedicated and enthusiastic student at NUCES FAST. Developing a strong foundation in OOP , Data Structure and Web Development.

SKILLS
- Programing Languages : C++ | Dart | SQL | R | Bash
- Web Development: HTML | CSS | Java Script | Node.js | Express.js | Bootstrap
- Mobile Development: Flutter (Dart) | Firebase
- Database: MySQL | Firebase
- Tools & Frameworks : Git | Git Hub | Agile | Rest Api | Firebase Authentication