

Sheraz Asghar

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SKILLS

Front-end : Flutter, Bloc, Provider, Getx, Riverpod
Back-end : Node.js, MongoDB, SQL, Restful APIs, gRPC, WebSockets, Firebase
Programming : Dart, JavaScript, Typescript, Python, Java
Technologies : Android Studio, Vs Code, Git , Agile, Docker

EDUCATION

University of Karachi, Department of Computer Science

Bachelors in Computer Science

CGPA: 3.4

Karachi, Pakistan

Expected Graduation, December 2025

EXPERIENCE

IOT Software and Solutions

Full Stack Flutter Developer

Jun 2024- current

- Developing and maintaining high-quality, user-focused Android and iOS applications.
- Building ERP systems using Flutter for web and Windows desktop applications.
- Creating backends with Node.js and Firebase, ensuring seamless API integrations.
- Implementing best practices and efficient coding standards to ensure high-quality and optimized code.

IOT Software and Solutions

Flutter Developer Intern

Jan 2024- Jun 2024

- Acquired comprehensive knowledge of the mobile development life-cycle and established best coding practices.
- Enhanced teamwork and time management skills to collaborate effectively with cross-functional teams and meet project deadlines.
- Developed a Flutter application to control a robotic arm, optimizing performance by 30% using Dart Isolates and implementing core Modbus functionalities (gRPC, Provider, Modbus, Flutter).
- Contributed to a book-reading and purchasing platform by integrating secure payment processing with Stripe, utilizing Flutter and Provider to deliver a seamless and visually engaging user experience.

PERSONAL PROJECTS

Wisp Wiz

Web-sockets powered chat application

Dec 2024

- Developed a responsive chat application featuring real-time updates using Web-sockets, user authentication with Firebase Auth, offline storage with SQLite, and seamless state management with Bloc, ensuring a robust and reliable user experience.
- Build using Flutter, Bloc, Firebase Auth, Node.js, MySQL, WebSocket, SQLite, and Mocktail (for unit testing).

Hit

Connectivity Testing Platform

January 2025 – current

- A Flutter desktop application designed for testing APIs and to test socket connections, WebSocket, and MQTT connectivity, providing a seamless interface for managing and validating different types of network communication.
- Built with Flutter for cross-platform desktop support with the integration of libraries including Dio, Web-socket, MQTT, and Modbus for real-time communication and network testing.

ACADEMIC PROJECTS

- Trained a deep learning model for cancer detection and developed a web application using Flask to enhance user interaction and accessibility.
- Esp 32 powered home automation and billing system.

CERTIFICATIONS

- Flutter Development By Dr. Angle Yu • Deep learning by Dr. Andrew Ng • 100xdevs Cohort 1.0 • CompTIA A+ • CompTIA Network+ • CompTIA Security+