MUHAMMAD ALI ABBAS

Software Engineer

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Github: https://github.com/ali5229   **Location:** Sargodha

SUMMARY

Computer Science graduate with a growing background in web and mobile app development. Through academic projects and hands-on experience, I've worked on building real-world applications that solve practical problems. I'm eager to apply my knowledge in a professional environment, learn from industry experts, and further develop my technical and collaborative skills through meaningful opportunities.

EDUCATION

Bachelor of Science in Computer Science
UOS - University Of Sargodha
📅 9/2021 - 05/2025   **(CGPA:3.2 / 4.00)**

TECHNICAL SKILLS

Programming Languages: C, C++, Javascript, Python, Java, Typescript
Web Development: HTML5, CSS3, Js, React.js, Node.js, Tailwind CSS
App Development: React Native, Java
Database: SQL,MySQL, Firebase
Software and Tools: Visual Studio, Android Studio, VSC, GitHub Desktop, Google Colab
Version Control: Git, GitHub, GitLab
Designing: Canva, Adobe Photoshop, Adobe Illustrator, Figma

PROJECTS

Personalized Workout & Fitness Application (FYP)

Developed the PWFA (Personalized Workout and Fitness App), a scalable, AI-driven fitness application focused on customized workout planning. Built using React Native and Firebase, the app captures user health data and goals to generate dynamic, monthly workout plans. Integrated OpenAI API for intelligent plan generation and implemented a custom exercise database with categorized instructions and video tutorials. Designed with modular architecture to support future web integration and expandability.

Video & Voice Call App

https://github.com/ali5229/video_voice_call_app

Developed a real-time Voice and Video Calling App using Java and ZegoCloud SDK, designed for smooth communication and responsive user experience. Utilized ZegoCloud's real-time signaling, call handling UI, and media stream management. focused on clean call lifecycle handling (initiate, accept, reject, end) and ensured stability across devices.

Student Management Application

github.com/ali5229/video_voice_call_app

A Student Management App in Java for Android, designed to streamline student and admin operations in academic environments. Implemented features for user authentication, student registration and academic record management. Created separate interfaces for students and administrators, allowing role-based access and control.

LANGUAGES

- English (Proficient)
- Urdu (Native)