

Muhammad Bilal Arshad

Islamabad | muhammadbilalarshad490@gmail.com | <https://github.com/Muhammad-Bilal-Arshad>

OBJECTIVE

Final Year Software Engineering Student with a strong passion for backend and mobile application development, particularly in utilizing Express.js to create scalable and efficient server-side solutions and in React native to create cross platform mobile apps. Seeking opportunities to apply my knowledge and skills in innovative projects.

EDUCATION

COMSATS University Islamabad
Bachelor of Science in Software Engineering

Feb 2020- Feb 2024
CGPA: 3.00 / 4.0

SKILLS

Programming Languages:Python, JavaScript, Java

FrameWorks:React Native, Node.js, Express.js

DataBases:Firebase, MongoDB, SQL

Backend Development:RESTful API Design, Server-side scripting

Authentication:Firebase Authentication, Passport.js, JWT Tokens, Cookies

Tools and Technologies:Postman/Insomnia (API testing), Docker (Containerization)

Version Control:Git, GitHub

PROJECTS

Electronic Police Patrolling and Dispatching Assistant (Final Year Project)

April 2023-Present

- **Objective:** Develop an advanced Electronic Crime Reporting System, integrating a mobile app for civilians, backend server using Express.js, and MongoDB for efficient data management.
- **Key Contributions:**
 - Leading backend development with Express.js, ensuring seamless communication between mobile apps, police stations, and the admin platform.
 - Utilizing React Native to create intuitive mobile apps for civilians and officers, enabling location-based crime reporting.
- **Status:** Project is at 60% completion, emphasizing my role in both backend and mobile app development.

MiddleEarth BookShop

June 2023

- **Objective:** Designed and developed a React Native-based mobile app for bookshop owners, incorporating Firebase for authentication and real-time inventory and sales tracking.
- **Key Contributions:**
 - Implemented Firebase-based authentication for secure access.
 - Created functionalities for adding, editing, and viewing books and sales, with advanced filtering options.

Youtube UI Clone

October 2023

- **Objective:** Developed a Youtube UI clone using React Native, TailWind CSS, and Rapid API for dynamic data fetching.
- **Key Contributions:**
 - Utilized React Native and TailWind CSS for UI design.
 - Integrated Rapid API to fetch and display dynamic data.

VideoGames Archive

January 2022

- **Objective:** Engineered a system for viewing video games, their ratings, and related information using Java and SQL.
- **Key Contributions:**
 - Implemented backend functionalities in Java for efficient data retrieval.
 - Utilized SQL for managing game-related information.

Python Ransomware

August 2022

- **Objective:** Develop a ransomware in August 2022 using Python and the Fernet library for encryption/decryption,
- **Key Contributions:**
 - Utilized the Fernet library for encryption and decryption processes.

CO-CURRICULAR ACTIVITIES

Valorant Head, Comsats Co-Curricular Club

Mar 2023– Present

- Managed small online valorant tournaments among university fellows.

EXPERIENCE

Mobile Developer Intern, Candid Purelife

Aug 2023– July,2023

- Created a mobile app to digitalize Candid Purelife’s manual operations.
- Worked with Firebase and React Native.