

Muhammad Hassan Khan

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🏠 Home : Lahore, Pakistan

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GitHub : <https://github.com/HassanKhan01>

ABOUT ME :

A motivated and enthusiastic Computer Science graduate seeking an entry-level position in software development. Passionate about mobile application development and eager to contribute to innovative projects. Strong foundation in programming, problem-solving, and teamwork.

Skills: _____

- **Programming Languages:** Kotlin, C++, Python
- **Mobile Development:** Android, kotlin coroutines, XML layouts, Jetpack Compose, Firebase, Retrofit, RESTful APIs, Sqlite, SQL, Git, GitHub
- **Design Principle:** Object Oriented programming, MVC, MVVM, Singleton
- **Soft Skills:** Problem-solving, teamwork, communication, adaptability

Experience: _____

NetSol Technologies <https://netsoltech.com/>

[26/5/2024 - Present]

City : Lahore

Country : Pakistan

Email address : hassan.khan@netsoltech.com

Name of unit or department : NFS digit

Designation: Junior Software Engineer (Intern).

- Developed and maintained Android applications, ensuring functionality and user-friendly interfaces.
- Collaborated with senior developers to design and implement new features.
- Assisted in debugging and troubleshooting issues, improving application performance.
- Participated in code reviews and contributed to project documentation.
- Gained hands-on experience with Android Studio, Java, and Git for version control.

EDUCATION:

Bachelor of Computer Science (BSCS)

University of Central Punjab
2020-Present
L1F20BSCS0499@ucp.edu.pk

Intermediate in Computer Sciences (ICS)

Government M.A.O College
2018-2020

Matriculation(ICS)

Abdali Public High School
2016-2018

PROJECTS :

Final Year Project:

- For my final year research project, I'm identify the most effective algorithm for securing devices against hacking. This will be achieved through the implementation of honeypots, RATEL, RapidMiner, and other open-source tools.

Semester Projects:

- Developed a weather forecasting project in C++ that predicted weather patterns by analyzing historical data.
- Completed a Matrix Calculator project in C++, allowing users to input the sizes and values of two matrices and perform operations such as addition, subtraction, multiplication, and division.
- Created a Library Management System in C++ using object-oriented programming. This system managed various library operations, including book allotment, tracking existing books, and managing fines.
- Implemented a Red-Black Tree project in C++ focusing on data structures and algorithms. This project included tree balancing, parent-child node declaration, and color assignment for nodes.
- Developed a calculator capable of performing addition, subtraction, multiplication, division, and mode operations. Implemented a clear screen function via an "AC" button, using Kotlin for the backend and XML for the frontend.
- Created a camera application where users can take photos and choose to save or discard them using checkmark and cross buttons.
- Designed and implemented a Word Search game using Java 11, focusing on logic and user interface.
- Developed a Notepad application to help users manage their to-do tasks. Features include adding tasks and removing them upon completion.

LINK : <https://github.com/HassanKhan01/Notepad>

- Created a Number Search game where players have five attempts to guess a randomly generated number, incorporating various React Native features to enhance gameplay and user experience.
- Developed a 5-screen application where data is preserved in cache memory. This ensures that data entered on previous screens remains intact when navigating back, providing a seamless user experience.
- Developed an app where users can log in if they have an account or sign up if they don't. After logging in, users can view student data fetched from Retrifit API and stored in SQLite. The app supports adding, updating, and removing data, ensuring flexible data management.

LANGUAGE SKILLS:

- English
- Urdu