

Maha Riaz

Computer Science Student

To make a position that gives ample chance to enhance my pool of options in the field of computer science

✉ mahariaz96@gmail.com

📍 Islamabad, Pakistan

📞 <https://join.skype.com/invite/XlKK5fjYzx3c>

📞 0316 8853184

🌐 [linkedin.com/in/maha-riaz-75694919b](https://www.linkedin.com/in/maha-riaz-75694919b)

EDUCATION

Computer Science

National University of Computer and Emerging Sciences

05/2018 - Present

3.12

Courses

- Software for Mobile Devices
- Knowledge Graph Engineering
- Data Structures
- Web Development
- Software Project Management
- Object Oriented Programming

PROJECTS

Activity Recognition using Smartwatch (FYP) (08/2021 - Present)

- Usecase for Activity-Recognition: Salah (Muslim ritual involving some particular physical steps and complex postures). The project aims to predict the movements of the person performing Salah and shows the statistics on a mobile application to the end-user
- Person performs the activity (Salah) by tying a smartwatch around the wrist. The wearable sensor i.e accelerometer records the real-time tri-axial values of the performer, the ML model predicts the performed posture and the mobile application builds the Salah profile accordingly and the user is able to see the results and summary of his/her performed Salah

SMARTSalah Application (Android)

- The AI-based application helps improve Salah by maintaining a Salah profile of a performer as a guide to make it better next time. The profile includes the average time spent on each posture, the sequence of performed steps thus ensuring the completeness and correctness of the Salah activity
- android, java, firebase, MVC architecture, figma (wireframes, low-fi and hi-fi prototypes)**

Chat Application (Android)

- An android application, similar to WhatsApp capable of having a messaging module inside it. The users can send/receive text messages and exchange media (images, videos, gifs, voicenotes) as well
- android studio, firebase, web-services (php APIs), figma(hi-fi prototype), SQLite**
- <https://github.com/mahariaz/Chat-Application>

Tabletop Management System(Web Application)

- html5, css3, php, mysql, xampp, myphpadmin**

Wheels & Wheels (MEAN Stack)

- A web application that is more like a replica of Pak wheels done as a semester project

Brick Slayer (Console Game)

- C++, OpenGL, ubuntu**

SKILLS

android

java

sqlite

firebase

mysql

nosql

mongo

MEAN

express

javascript

html/css

wearable

tizen

UI/UX

linux

ubuntu

sensor programming

ACHIEVEMENTS

Appeared in Deans's List for securing 3.72/4.0 SGPA
(09/2021 - Present)

ORGANIZATIONS

FAST-NUCES (06/2021 - 07/2021)

Internee- Smartwatch app developer

FAST-NUCES (05/2021 - Present)

Teaching Assistant (Object-Oriented Programming)

LANGUAGES

English

Professional Working Proficiency

Urdu

Native or Bilingual Proficiency

TOOLS

android studio

vs code

figma

xampp

workbench

sql server

visual paradigm

netbeans

visual studio

tizen studio