MUHAMMAD REHAN ALI

Mianwali City, Punjab

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EDUCATION

Bachelors in Computer science   **Sep 2018 – In Progress**
*Namal Institute Mianwali (Affliated with UET Lahore) - **CGPA 3.608***   *Mianwali*

Intermediate (FSc. Pre-Engineering)   **Sep 2015 – Aug 2017**
*Superior Group of Colleges, Mianwali - **Marks 913/1100***   *Mianwali*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Database Management System (DBMS)
- Artificial Intelligence
- OOP Concepts
- Web Development
- Android Development
- Machine Learning
- Software Engineering
- UX/UI

PROJECTS

Ecommerce For Women (Mobile App) ⤢ | XML - Java - Firebase   **May 2021**
In this project, I have developed a platform for women to show and sell their handicrafts. By using this application, women artists can sell their products and on other hand buyers can view and buy the products.During development, I have used android studio as a tool. I have used XML for designing interfaces of the activities and Java is used at backend for storing data and authentication I have used Firebase.

E-commerce Platform for Women (Web App) ⤢ | JS - Flask - MySQL   **June 2021**
E-commerce For Women web app is a showcase for handmade products. Two types of users can use the app. Customers can create their account, view products and search their products. Seller (artist) can create their account, show her arts on a website and can get orders from clients. For development, I have used "vscode" as a tool, JavaScript as front-end language and used the Flask framework of python for backend logic. To store information about the user's credentials and products used MySQL Database.

Online Homemade Food Delivery System ⤢ | SERN   **In Progress**
We are developing a food delivery system as our Final Year Project. By using this system, customers can get homemade food at their doorstep on a finger tip. And on the other hand, Home chefs can earn money by providing home made food. Its main aim is to simplify and improve the efficiency of the online food ordering process. To develop this system we are using React native for front-end, Node.js for server side scripting. For storing data, we are using MySql and Firebase.

Heuristic Evaluation ⤢   **Jan 2021**
In this project, we perform heuristic evaluation of HEC Website. Our main goal during this heuristic evaluation was to check/evaluate the usability of this website by using a set of heuristics techniques and highlight spots for design improvement to HEC. During this evaluation, we use "Andrews General Usability Heuristics".

Thinking Aloud Test ⤢   **Dec 2021**
In this Project, We have successfully performed the Thinking Aloud (TA) test on the website of Air University with a carefully selected diverse group of test users. After the brief intro of the TA test and initial orientation, the consent form, and background questionnaire were taken from the test users. Then We started the actual TA test on the website of Air University (AU). After all the users were done with the TA test, we moved on to analyze the collected data and write the final report.

AI-based Snails Game ⤢ | Python - Arcade   **Nov 2020**
A 2D game developed in Python. A game between two players (Human Bot). Used Depth-limited minimax algorithm along with different own made heuristics. To design interactive interfaces, I used Arcade (Python library).

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C, C++, HTML, CSS, SQL, XML
Technologies/Frameworks: React, React Native, Redux, Expo, NodeJS, Express, Bootstrap, Flask, Arcade, OpenCV, Numpy, Pandas, Matplotlib
Databases: MYSQL, SQLite, Firebase
Developer Tools: VS Code, Android Studio, Git

EXTRACURRICULAR

Member of Outreach department   **Dec 2019 – Mar 2021**
Namal IEE   *Mianwali*
General Member   **Dec 2018 – Aug 2019**
Namal Environmental Society   *Mianwali*

CERTIFICATIONS

- Successfully completed the JavaScript Algorithms and Data Structures course from FreeCodeCamp 🔗
- Successfully completed the Responsive Web Design course from FreeCodeCamp 🔗