



MUHAMMAD HASHIR SHOAIB


COMPUTER ENGINEER


A focused individual who is trying to solve today's problems using engineering skills with passion for learning, leadership and collaboration. Interested in software development and teaching machines how to think.


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Lahore, Pakistan 

EDUCATION

B.E. COMPUTER ENGINEERING

National University of Sciences and Technology (NUST) CEME
(2016-2020)

SKILLS

Data Structures	Html CSS & JS
ReactJS	Git & GitHub
SQL	C++, C# & Python

EXPERIENCE

RISETECH, SOFTWARE INTERN

JUL 2018 - AUG 2018

- Developed web application to remotely manage Final Year Projects.
- Designed entity relationship diagram for software database.
- Lead backend development and worked in cross functional team over GitHub.
- Tools: ASP.Net MVC, MS SQL, Razor html, Bootstrap3, GitHub.

COMPPEC19, DIRECTOR WEB AND IT STUDENT BODY

FEB 2019 - APR 2019

- Developed website from scratch, with all new UI and backend code.
- Tools: PHP, Html, Bootstrap4, GitHub.

PROJECTS

DEVELOPERS PORTFOLIO WEBPAGE

SEP 2019

Created an open source portfolio webpage using Reactjs and GitHub APIs hosted over GitHub pages. Entire project is kept easy to configure and edit.

FILE BROWSER AND SEARCH ENGINE

JAN 2018

Developed GUI based software in C++ similar to "file explore" with word and file searching and path traversing functionality. Features were implemented by using the concepts of Hash table and Linked lists

ANTENNA PLACEMENT PROBLEM

NOV 2019

Genetic Algorithm based python script that place 5 antennas (a, b, c, d, e) on a 6x6 grid in such a way that maximum area is covered by their signals.

POLYGON CLASSIFIER

MAY 2019

Python Script that classifies the polygon shape objects in the image, using k-nearest neighbors (KNN) algorithm and blob analysis technique.

CLOUD BASED CLIENT/SERVER APPLICATION

JAN 2019

Local cloud based client/server application using socket programming in C. Multiple clients can connect to the server and they can save and retrieve any type of file.

RSA ENCRYPTION ALGORITHM

JAN 2018

Implemented key generation, encryption and decryption functions in C#, using RSA Algorithm