



# 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.


hashirshoaeb.github.io/home/ 

github.com/hashirshoaeb 

linkedin.com/in/hashir-shoaeb 

hashirshoaeb@gmail.com 

(+92) 311-454-2616 

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