

# Hassan Bokhari

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## EDUCATION

### FAST NUCES

BS IN COMPUTER SCIENCE

May 2021 | Peshawar, Pakistan

### BEACONHOUSE

O'LEVEL/A'LEVEL

Grad. May 2017 | Islamabad, Pakistan

## LINKS

Facebook:// hassan.bokhari.102

Github:// Hassan Bokhari

LinkedIn:// Hassan Bokhari

## COURSEWORK

### UNDERGRADUATE

Machine Learning

Natural Language Processing

Data Structures & Algorithms

Databases

Network Security

Operating Systems

Artificial Intelligence

Functional Programming

Computer Graphics

Computer Programming

Object Oriented Analysis & Design

(Teaching Asst)

Computer Graphics

## SKILLS

- Keras • OPENCV • openGL

- TensorFlow • SKLEARN

- Data Science • REDUX

- PANDAS • Numpy • MATPLOTLIB

- Firebase • MySQL • GIT

- Mongo DB •

### PROGRAMMING

Over 5000 lines:

Java • C++ • Python • Javascript

JSX • React

Over 1000 lines:

C • Shell • CSS • PHP • Assembly •

React Native

Familiar:

iOS • Android • Jira

## AWARDS

- LeetCode coding 10 problems best runtime

- Batch top in Data Structures

- 12th in Pakistan, Kangaroo Math

- Gold Medal, National Basketball x2

## EXPERIENCE

### THE CYBER DEN | SOFTWARE ENGINEERING INTERN

December 2019 - August 2020 | Peshawar, Pakistan

- Led and Deployed Maverick - A point of sale software on Desktop and Web using java and React respectively.
- Full-stack developer - Wrote and reviewed code for JS and Java.

### GAP DYNAMICS | SOFTWARE ENGINEER

September 2020 – January 2021 | Islamabad, Pakistan

- Worked on multi-vendor e-commerce, To-Do and Online Car, buy and sell application.
- Full-stack developer - Wrote and reviewed code for React and React Native.

## PROJECTS

### THROUGH-WALL HUMAN POSE ESTIMATION USING RADIO SIGNALS | FINAL YEAR PROJECT

- It leverages the fact that wireless signals in the WiFi frequencies traverse walls and reflect off the human body. It uses a deep neural network approach that parses such radio signals to estimate 2D poses.

### CRIMINAL MANAGEMENT SYSTEM | OOAD SEMESTER PROJECT

- Desktop Application using Java. Used Relational Databases mySQL. Facial Recognition For criminal databases as well as Notifications of new requests.

### SENTIMENT ANALYSIS | NLP SEMESTER PROJECT

- Detect sentiment of user based on live time chat.

### HEAT SIMULATION | COMPUTER GRAPHICS SEMESTER PROJECT

### HUMAN FACIAL EXPRESSION RECOGNITION | MACHINE LEARNING SEMESTER PROJECT

- Used a convolution neural network and along side it I used maxPooling to address the problem of over-fitting. I also used Batch Normalization to stabilize the learning process and to reduce the number of training epoch required to train.

### MULTI BRANCH POS | THE CYBER DEN

- React App using Firebase, Firestore as well as Firebase Authentication.
- Syncronized database for all branches and separate financial dashboards.

## CO-CURRICULAR

### HEAD CS QUIZ | MICROSOFT VIRTUAL EVENT

### VICE PRESIDENT SPORTS SOCIETY | FAST NUCES

### NATIONAL BASKETBALL PLAYER | PAKISTAN NATIONALS