

# Muhammad Karim

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## EDUCATION

**KARACHI INSTITUTE OF TECHNOLOGY AND ENTREPRENEURSHIP (KITE)**  
B.S. IN COMPUTER SCIENCE  
May 2019

CGPA – 3.76

**BAHRIA FOUNDATION COLLEGE**  
INTERMEDIATE  
August 2015

**THE CITY SCHOOL**  
O LEVEL  
August 2011

## SKILLS

MERN Stack | Python | Java |  
C | C++ | NodeJS | Javascript  
HTML5 | CSS | PHP |  
MATLAB | MySQL | LINUX |  
UNIX

## ACTIVITIES | EXTRA-CURRICULARS

**Organizer** – Singularity  
University, Karachi Chapter

**Volunteer** - KITE OSLO  
Startup Challenge

## EXPERIENCE

**Just Sharp Marketing** | Remote Freelance Web Developer  
December 2017 - Present

- Responsible for full stack web development for all client projects.
- Created an average of three minor websites or one major website per month.

**Freelance Web Developer** | Various Clients  
2017 – Present | [karimkreat.es.com](https://karimkreat.es.com)

- Meeting with prospective clients to review website and gather client requirements
- Designing and coding a new website for clients using CMS frameworks such as WordPress.
- Worked closely with clients to implement their vision and increase sales and leads through their websites.

**KARACHI INSTITUTE OF TECHNOLOGY AND ENTREPRENEURSHIP, AI & NEUROSCIENCE RESEARCH PROJECT** | TEAM LEAD  
August 2018

- Research project on distance learning, identifying how to improve the candidate's learning rate of the material taught to them online, using facial features of the candidate to analyze their concentration levels.

**ROBOTICS LAB, ANDROID GAME DEVELOPMENT INSTRUCTOR** | INTERN  
June - July 2018

- Taught Android Game Development course using Construct 2 and the basics of game design.

**KARACHI INSTITUTE OF TECHNOLOGY AND ENTREPRENEURSHIP** | INTERN  
June - July 2017

- Worked on KITE's website, setting up Ad-words campaign to increase lead generation to the website.
- Worked on creating a Stock Market Prediction Algorithm using Machine Learning.

## PROJECTS

**Chess Engine** – creating a Chess engine in C++ using OOP, multidimensional arrays and pointers.

**Stock Market Prediction Algorithm** – Using Machine Learning to find patterns in Stock Market Data by web scraping data from different websites, and then applying SVM regression analysis to make future predictions.

**Multi-threaded, Multi-process Server** – Created a multi-threaded, multi-process server using Linux POSIX Threads and Sockets API which could serve multiple clients at the same time.

**Android RSS Application** – Using Android Studio made a fully-functional RSS reader for Android 5.1 and below using RecyclerView to show list of RSS feeds and the ability to view each article from within the application. Had user registration and login capability as well as able to save feeds from multiple rss for future viewing.

**Smart Lights** – Setup a smart light system with the use of Arduinos and PIR Sensors for automatic switching of a room lights when a human presence is detected. The light would switch on based on the human's position in the room and only the nearest lights would switch-on as a result.

**PAKMD Mobile Application and Dashboard** – Created a single mobile application to find doctors, pharmacies and hospitals near you. Ability to make appointments for specific doctors, finding out the doctors that are available in a specific hospital with their details as well as having an option to order medicine from pharmacies by uploading your prescription with the help of the application to be delivered to your home. A dashboard was also created using PHP that could be used to add listings of doctors, hospitals and pharmacies and keep a log of user data.