

# Muhammad Kamran Janjua

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## EDUCATION

### NUST

#### BS IN COMPUTER SCIENCE

Expected Sep 2020 | Islamabad, Pak  
Cum. GPA: 3.630

### PIS, DOHA

Graduated May 2016 | Doha, Qatar  
Conc. in Engineering  
Pre-Engineering  
Percentage: 87.6

## LINKS

Github:// [kjanjua26](#)  
LinkedIn:// [kjanjua26](#)  
Quora:// [Kamran-Janjua-1](#)

## COURSEWORK

### UNDERGRADUATE

Fundamentals of Programming  
Object Oriented Programming  
Linear Algebra  
Calculus  
Database Systems  
Computer Architecture & Assembly  
Data Structures & Algorithms

### MOOCS

Machine Learning  
Convolutional Neural Networks for Visual Recognition  
Deep Learning with Tensorflow  
Deep Learning for Self Driving Cars  
Reinforcement Learning  
Statistics 110: Probability  
Machine Learning Nano Degree, Udacity  
Convex Optimization

## SKILLS

### PROGRAMMING

I code computers.  
Python • Java • C • Bash  
Assembly • C++ • PHP  
Frameworks & Libraries:  
Keras • Tensorflow • OpenCV  
• NumPy

## EXPERIENCE

### SEECs, NUST | TEACHING ASSISTANT

September 2017 – January, 2018 | Islamabad, PAK

- Teaching Assistant for course Fundamentals of Computer Programming.
- Responsible for marking assignments, quizzes and projects.
- Brief lecture once a week.

### VISIONX | RESEARCH INTERN

June 2017 - September 2017 | Islamabad, PAK

- Worked on building the scene text recognition and detection engine using CNNs combined with RNNs and temporal classification layers.
- Deployed the initial IOS application containing the OCR scene text recognition engine.

### TUKL-NUST RESEARCH LAB | RESEARCHER

March 2017 – Present | Islamabad, PAK

- Working on various computer vision applications including optimization of OCR and development of scene text recognition and detection pipeline for unconstrained environments.
- Working on building a fine-grained model for parsing of postal addresses of world.
- More Information: <http://tukl.seecs.nust.edu.pk>

### QATAR UNIVERSITY | RESEARCH INTERN

January 2015 - August 2016 | Doha, Qatar

- Worked on building synchronous drone system for under-construction building inspection.
- My work was focused on the hardware aspect of the project i.e. the drone.
- The autonomous drone was built using open-source ardupilot.

### CYKIQ | SOFTWARE ENGINEERING INTERN

Dec 2016 – March 2017 | Islamabad, PAK

- Worked on resource gathering and finding the best linux based server.
- Set up the cloud server and deployed open-source API (CRUD).
- Developed the initial database for the company.

## PROJECTS

### SHAKESPEAREV2 | SHAKESPEARE POETRY GENERATOR

Link: <https://github.com/kjanjua26/Shakespeare-Poetry-Generation>

### CANDETECT | BREAST CANCER DETECTION

Link: <https://github.com/kjanjua26/Breast-Cancer-Prediction>

### SENTILYS | SENTIMENT ANALYSIS ON TWEETS

Link: [https://github.com/kjanjua26/Twitter\\_Sentiment\\_Analysis](https://github.com/kjanjua26/Twitter_Sentiment_Analysis)

## AWARDS

2017	among top students in batch	Dean's List for high achievers
2017	among top 10%	Silver Medal, Hackerrank CodeSprint 3
2016	1st in batch	Gold Medal, Pre-Engineering, HSSC-II
2015	2nd in batch	Silver Medal, SSC-II