

# Rana Ali Azhar Khan

## Curriculum Vitae

Razi II, National University of Sciences and Technology, Sector H-12, Islamabad, Pakistan

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## WORK EXPERIENCE

### TUKL-NUST Research Lab

RESEARCH INTERN

July 2017 - Present

- Worked on Recommender Systems
- Used NVIDIA DIGITS Framework and Jetson TX1 for Roadway related tasks
- Worked with Deepmask, Sharpmask, YOLO, DarkNet
- Analyzed SOTA deep learning models with Keras

### Bank of Punjab

IT INTERN

Aug 2016 - Sep 2016

- Worked with Oracle Database

## SKILLS

Languages: Python | C# | Java | C++ | JavaScript

(In descending order of expertise)

Libraries: YOLO | DarkNet | OpenCV | Tensorflow | Keras

Software: NVIDIA DIGITS | VIM | Android Studio | Adobe Illustrator

## MOOC COURSES

### CS 229 - Machine Learning

BY ANDREW NG - STANFORD

### CS 231n - Convolutional Neural Networks

BY ANDREJ KARPATY - STANFORD

## PROJECTS

### Sign Language Recognition App

Translate American Sign Language to text natively on android

TENSORFLOW, ANDROID

### Kill Thirst

A Whack-a-mole inspired first person shooter with multiple stages

USED GLUT, AN OPENGL LIBRARY

### QR Code based Attendance System

Save class time by marking student attendance with QR code

MACROS WRITTEN IN VISUAL BASIC

### Multiplayer Ludo

Play Ludo with computer or with 1 -4 friends online

SFML LIBRARY, SOCKET PROGRAMMING

### Parley

Question Answer website focused at students and learning

MYSQL, PHP

### WikiSearch

Search engine for Wikipedia with crawling, scraping, indexing

LEXICAL ANALYZER, C++, PHP

### Distance Vector Routing Protocol

Used Bellman Ford Algorithm to converge nodes to shortest paths

PYTHON

### Student Application Center

Working with HoD to implement online system for catering applications

PHP, MYSQL, AJAX, BOOTSTRAP

## EDUCATION

### SEECS, National University of Sciences and Technology

B.S. IN SOFTWARE ENGINEERING

Sep 2015 - July 2019 (expected)

CGPA: 3.56