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

Abbott Labs
INTERN
June 2018 – July 2018
- Worked on workflow automation platform in Angular CLI and .NET

TUKL-NUST Research Lab
RESEARCH INTERN
July 2017 – March 2018
- Used NVIDIA DIGITS Framework and Jetson TX1 for Roadway related tasks
- Analyzed SOTA deep learning models with Keras

Bank of Punjab
IT INTERN
Aug 2016 – Sep 2016
- Worked with Oracle Database

SKILLS

Languages: Python | Typescript | Java | C++ | C#   (In descending order of expertise)
Tools: Tensorflow | Keras | Angular CLI | NVIDIA DIGITS | VIM | YOLO | OpenCV

MOOC COURSES

CS 229 - Machine Learning
BY ANDREW NG - STANFORD

CS 231n – Convolutional Neural Networks
BY ANDREJ KARPATHY - STANFORD

PROJECTS

Optical Network Planner (LYNX)
Tool to plan, monitor and analyze optical networks
ANGULAR, NODEJS, LEAFLET

Sign Language Recognition
Translate American Sign Language to text natively on android
TENSORFLOW, ANDROID

AtCoin Cryptocurrency
My implementation of the Bitcoin's white paper (bitcoin.org/bitcoin.pdf)
PYTHON

QR Code based Attendance System
Save class time by marking student attendance with QR code
ANDROID, VISUAL BASIC (MACROS)

Multiplayer Ludo
Play Ludo with computer or with 1 -4 friends online
SFML LIBRARY, SOCKET PROGRAMMING

Kill Thirst
A Whack-a-mole inspired first person shooter with multiple stages
USED GLUT, AN OPENGL LIBRARY

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

EDUCATION

SEECS, National University of Sciences and Technology
B.S. IN SOFTWARE ENGINEERING
Sep 2015 – July 2019 (expected)

CGPA: 3.56