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 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

LYNX - Optical Network Planner (WON BEST PROJECT IN SEECS OPEN HOUSE)
Tool to plan, monitor and analyze optical networks   ANGULAR, NODEJS, MAPBOX

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 – May 2019

CGPA: 3.56