# Muhammad Faisal
## Software Engineer

Software Architect/ Full Stack Developer/ Hacker/ Blogger/ Entrepreneur/ Researcher

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## SKILLS

Deep Learning

Computer Vision

Back-end Programming

Mobile & Web Development

Database Design

Software Architecture

## PROFICIENCY

Python
● ● ● ● ●

Java
● ● ● ● ○

C/C++
● ● ● ● ○

NodeJs
● ● ● ● ○

Android
● ● ● ● ●

Django
● ● ● ● ●

REST API
● ● ● ● ○

## WORK EXPERIENCE

### Lead Machine Learning/Software Engineer
Video Analytics Lab
*08/2016 –* 07/2019

### Founder/Chief Software Architect
alectorlab.github.io
*09/2015 – Present*

### Software Developer
Neusol LLC
*05/2015 – 09/2015*

## PERSONAL PROJECTS

Face Detection and Recognition System (08/2016 – 01/2019)
- Real-time Face Recognition under unconstrained conditions (Django, DRF, Python, C/C++, Tensorflow, Keras, Numpy, Opencv, Multiprocessing, Multi-threading, CUDA)

Automatic number plate recognition system (08/2016 – 08/2018)
- State-of-the-art real-time Number Plate Recognition of the Standard Number Plates of Multiple Cities of Pakistan (Django, Python, C/C++, Tensorflow, Keras, Numpy, Opencv, Tesseract, Multi-threading, CUDA)

Abandoned object detection system (05/2017 – 07/2018)
- Real-time Detection and logging of Suspicious objects of multiple categories (Django, Python, Tensorflow, Keras, Opencv)

audyapp.github.io (AudyApp) (08/2018 – 12/2018)
- Audio version of Youtube (Android, UI/UX Design, REST API, Java, MySQL)

Face training app (12/2018 – Present)
- App for training facial recognition data (Android, REST API, Django, DRF, Python, Java, MySQL)

Instant answers research engine (08/2015 – 05/2016)
- Research Engine for Students based on the concept of 5Ws and H (ASP.NET, REST API, C#, Ontologies, NLP)

## EDUCATION

### Bachelor of Software Engineering
Bahria University
*09/2012 – 05/2016*                    *CGPA: 3.91 Honor: Magna Cum Laude*

## RESEARCH PAPER

INSTANT ANSWERS, 5W'S & H TOOL (Science International) (2017) ⬈
*Instant answers search engine provides solution to the problems of visiting multiple sources, compilation effort, time consumption and incompleteness of information while using Crawler-based search engines, encyclopedias, video portals, image portal for the purpose of making assignments, reports and in other research works.*