

# Hammad Ali Baig

B.Sc. graduate motivated to work and develop in the field of artificial intelligence and computer vision.

hammadalibaig@gmail.com ✉

+90 531 508 42 83 📞

Ankara, Turkey 📍

linkedin.com/in/hammadalibaig in

github.com/hammadab 🐙

## EDUCATION

### B.Sc. Electrical and Electronics Engineering

Bilkent University

09/2015 - 01/2021

Ankara, Turkey

#### Main Courses

- Neural Networks
- Machine Learning
- Statistical Learning and Data Analytics
- Statistical Foundation of NLP
- Artificial Intelligence

### GCE Advanced Level

Nixor College

07/2013 - 06/2015

Karachi, Pakistan

#### Courses

- Mathematics, Further Mathematics, Chemistry, and Physics

## WORK EXPERIENCE

### Cloud Intern

IBM

07/2018 - 08/2018

Karachi, Pakistan

#### Tasks/Achievements

- Assisted the DevEx team of IBM cloud.
- Deployed SaaS apps based on ML.
- Took four courses from IBM Training.

### Engineering Intern

Avanceon

06/2017 - 08/2017

Karachi, Pakistan

#### Tasks

- Assisted on PLC based projects for industrial automation.
- Designed PLC configurations.

## ACHIEVEMENTS

100% tuition waiver scholarship at Bilkent University

Nixor College Dean's List

## SKILLS

Python

MATLAB

CNN

NLP

Autoencoder

TensorFlow

PyTorch

Keras

Cloud

Neural Networks

Linux

NumPy

Nvidia Jetson

FPGA

Pandas

SciKit

## PROJECTS

### Visual odometry supported inertial navigation system

- Estimated translation and rotation from video feed.
- Implemented the whole project on NVidia Jetson running Linux.

### Neuro Captioner

- Extracted image features from a pre-trained CNN and then constructed a caption from LSTM.

### Animals-10 Classifier

- Implemented CNN on PyTorch using Google Colab.

### Autoencoder Neural Network

- Built from scratch on Python.

### Image reconstruction of MRI

- Reconstructed images from raw data of MRI using CNN.

### Fruits classifier

- Built CNN and ANN from scratch on Python.

### Identify Disaster Tweets

- Classified tweets by using SVM, neural network, Naive Bayes, and decision trees.

### Skynet 2048

- Trained computer to solve 2048 puzzle by NEAT, a reinforced learning algorithm.

### AI based crossword puzzle solver

- Developed A\* search algorithm to predict words.

## LANGUAGES

English



Urdu



Turkish



## INTERESTS

Specialty Coffee

Coding

Technology

Football

AI

Gaming

Cars