Maaz Ahmad
Computer Scientist

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📍 Islamabad, Pakistan

SKILLS

C++   Python   Go

Linux   NumPy

Pandas   Keras

Matplotlib   PyTorch

TensorFlow 2

INTERESTS

Hiking

Reading books

Esports   Basketball

EDUCATION

Bachelor of Science (Computer Science)
FAST-National University of Computer and Emerging Sciences

08/2015 – 06/2019   *Islamabad, Pakistan*

Courses
- Data Mining
- Digital Image Processing
- Deep Learning for Perception
- Parallel and Distributed Computing

F.Sc (Pre-Engineering)
Fazaia Inter College, Chakala

08/2013 – 07/2015   *Rawalpindi, Pakistan*

Matric (Computer Studies)
Roots High School

08/2011 – 06/2013   *Rawalpindi, Pakistan*

WORK EXPERIENCE

Research Assistant
Artificial Intelligence and Machine Learning Lab, FAST-NUCES

08/2018 – 05/2019   *Islamabad, Pakistan*

PROJECTS

Final Year Project : CEnergy (Python, Scikit-learn, GCC, Linux)
- A machine learning based energy profiling technique for C programs, which uses the control flow graph features of a program to estimate the energy consumption behavior of a C program.

Deep Learning for Perception : Face Detection and Recognition (Python, Keras)
- Implemented a sliding window face detector and FaceNet, for a face detection and recognition pipeline.

Digital Image Processing : Fingerprint Recognition System (Python, Scikit-image)
- Implemented a fingerprint recognition system based on finger minutiae features.

Data Mining : Predictive System (NumPy, Pandas, Scikit-learn)
- Trained a machine learning model for estimating the prices of used cars.

Parallel and Distributed Computing : Distributed Search System (Go)
- Developed a distributed search system with an HDFS-like file system and multiple node fault tolerance.

Computer Networks : SMTP Application (C++)
- Developed an application simulating SMTP, capable of handling multiple servers and clients.

Database Systems : Inventory Management System (OracleDB, PHP)
- Developed an inventory management system for a car manufacturer.

ACTIVITIES

Member FAST Basketball team (08/2017 – 10/2018)