Hamid Habib Syed

Electrical Engineer

To obtain a position that will enable me to demonstrate my technical skills and educational background that will contribute positively toward organization goals, with simultaneous achievement of personal goals

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EDUCATION

Matric

Al-Azhar Educational Institute, Swat

03/2013 - 06/2014, *Marks 957/1100*

Major

- Science

FSc

Cadet College Swat

08/2014 - 07/2016, *Marks 971/1100*

Major

- Pre Engineering with distinction

BSc Electrical Engineering

University of Engineering and Technology Peshawar

09/2016 - 10/2020, *CGPA 3.62/4.0*

MS Electrical Engineering

Air University Islamabad

09/2020 - 02/2022, *CGPA 3.5/4.0*

Major

- **Machine Learning** & **Artificial Intelligence**

Courses and Certifications

Convolutional Neural Networks	*Coursera*
Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization	*Coursera*
Sequence Models	*Coursera*
Structuring Machine Learning Projects	*Coursera*
Neural Networks and Deep Learning	*Coursera*
CS231n	*Standford*

Awards & Achievements

-Recipient of National Talent Scholarship — BISESS

09/2016 – 09/2020

-Provincial level winner of National Idea Bank Competition-2021 — Natural Resources *Sector*

11/2021 – 01/2022

ORGANIZATIONS

Institute of Electrical and Electronics Engineer — Member

06/2017 – 06/2019

COMPUTER SKILLS

Pandas, Proteus, C++, Matlab, Pytorch, Python, Numpy, Opencv, Matplotlib, Tensorflow

WORK EXPERIENCE

Research Assistant

Air University Islamabad

09/2020 -Continue, *Islamabad*

- *Worked on different image processing techniques*
- *Intensity transformation by applying dynamic range expansion, contrast stretching and histogram equalization*
- *Implementation of Edge Detectors(Sobel, Prewitt and Canny).*
- *Implementation of Marr Hildreth filter with combine and separate Gaussian filter.*
- *Worked on Optical flow, Hough transform, depth estimation and image segmentation models*
- *Synthetic data generation*
- *Training different regression models*
- *Training classification based models*
- *Hands-on experience on Transfer learning and fine tuning*
- *Training detector and inferencing it on video*
- *Optimized Tracking based on detection*
- *Developing and training Resnet16 classifier from scratch*
- *Setting up of GPU systems*

MS Thesis

(Deep Learning)

3D Human Reconstruction Person Re-identification

"Exploring a 3D Latent Feature Space Embedding, for Person Re-identification"

Publications

"3D Human Reconstruction with Corresponding 3D Texture Model: A Comparison of Salient Approaches", in the Proceedings of ITC-CSCC 2022.

Languages

English
Professional Working Proficiency

Urdu
Full Professional Proficiency

Pashto
Full Professional Proficiency