Abbas Khan

Electrical Engineer
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EDUCATION

- BS Electrical Engineering Bahria University, Islamabad, Pakistan
- Fsc (Pre-Engineering) with 995/1100 marks, BISE Rawalpindi
- Matriculation(Science- group) with 978/1050 marks, BISE Rawalpindi

EXPERIENCE

- Worked as Intern with Ministry of Science and Technology, Pakistan
- LOCALINTERNATIONAL Intern at Turkey
- Selected for Summer internship at CERN (Switzerland and France)

Final Year Project (Deep Learning based extraction of retinal layers)

To diagnose retinal abnormality we need to extract retinal layers. Manual extraction is cumbersome and time consuming task. We proposed a computer aided self-diagnostic system using state of the art of Deep Convolutional Neural Network.

ACHIEVEMENTS

- Research publications in **IEEE Conference and Springer journal** of Digital Image Processing
- Highest **CGPA of 3.90/4** of BEE-14 Batch of Bahria University Islamabad**.**
- Winner of **Open-House 2018** of Engineering Sciences at Bahria University Islamabad.
- Awarded the "**Bahria High Achievers Award"** for two out of the three years at Bahria for Co-curricular achievements.
- Winner Of**" Advanced Merit Scholarship"** Award , Bahria University Islamabad

TECHNICAL SKILLS

- Strong Knowledge of Python, C++, C, PLC, MATLAB, Proteus, Arduino, Microcontroller, FPGA and Analog Circuits
- Expertise in Machine Learning, Robotics, Image Processing and Signals and Systems

SEMESTER PROJECTS

- Filter Design in FPGA using Verilog
- UPS design in SIMULINK and Hardware using pic 18f452 microcontroller
- SAP-1 Architecture Implementation on Proteus and Hardware
- 2-D Matching Game in C#
- Android Control Robot
- Obstacle Avoiding Robot
- Line Follower Robot
- Electronic Voting Machine using 8051 Controller
- Variable DC Power Supply
- Door Security Lock System
- Inverted Pendulum Design in MATLAB
- 4 way Traffic Control Signal System using PLC

Other Interested Areas

- Wireless Charging
- Entrepreneurship
- Renewable Energy Resources