Saad-Ur-Rehman

S/O Abdul Rehman Shaheen

Contact

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Research Interest

- Evolutionary Computation
- Deep Learning
- Computational Intelligence
- Programming
- Evolutionary Neural Architecture Search

Preamble

I am a hard-working, motivatied and enthusiatic person with proven educational record and work experiance. I always strive to achieve the highest standard possible at any given task in any situation. I am accustomed to working in a challenging and fast-paced enviorment.

Education

MS Computer Science (MS-CS): National University of Computer & Emerging Sciences (FAST-NUCES) Islamabad – 2020-Present, **CGPA:** 3.96/4.0.

Master of Computer Science (MCS): Air University – 2017-2019 **CGPA:** 3.60/4.0, Gold Medalist

Bachelor of Science (B.Sc), **Major**: Com. A, Comp. B, Maths: Bhaudin Zakariya University, Multan – 2015-2017 **Marks**: 543/800

Experience

Software Engineer (AI/Data Science)
Company: *Funavry Technologies*, Islamabad.
Duration: June 2022-Present
Responsibilities: Working on AI/Data science related projects and compiling its complete pipelines.

Teaching Assistant (T.A): FAST-NUCES – Working as T.A in fall-2021 and Spring 2022 for designing and evaluating assignments, quizzes also conducting project demos.
Subjects: *Programming Fundamentals* (BS-AI), *Adv. Analysis of Algorithms* (MS-CS), *Operating Systems* (BS-SE), and *Deep Learning* (MS-DS)

Web & Desktop Developer - 2015 to 2020
- Work with senior developer to manage large, complex design projects for corporate clients.
- Complete detailed programming and development tasks for front end public and internal websites as well as challenging back-end server code.
- Carry out quality assurance tests to discover errors and optimize usability.

Projects

- Semantic Segmentation using FCN (Fully Convolutional Networks)
  Tools & Techniques: PyTorch, Python, Computer Vision
- Crops production Estimation in Pakistan using Deep Convolutional Neural Networks
  Tools & Techniques: PyTorch, Python, Image Processing

MS Thesis

Domain:
Neural Architecture Search,
Evolutionary Computation

Summary:
Automatic designing of deep
learning architecture for image
classification tasks using
evolutionary computation.

Personal Info

Nationality:
Pakistani

Domicile:
Muzaffargarh (Punjab)

Religion:
Islam

Marital Status:
Married

Language Skills

English:
Full Professional Proficiency

Urdu:
Native/Bilingual Proficiency

Punjabi:
Professional Working
Proficiency

Saraiki:
Professional Working
Proficiency

- Traveling Salesman Person Problem using Particle Swarm Optimization
  Tools & Techniques: Python, Swarm Intelligence
- Early Branch Prediction in DrMIPS Simulator
  Tools & Techniques: Java, MIPS Architecture, Pipelined CPU Version
- Smart Healthcare System
  Tools & Techniques: C#.NET, All-in-one portal for patients, doctors, laboratory, dispensary, and personal assistants
- Sentiment Analysis on Twitter Dataset
  Tools & Techniques: C#.NET, Java, Stanford NLP, Natural Language Toolkit (NLTK)
- Cracking password of Linux Users using MPI on Clusters
  Tools & Techniques: C/C++, MPI, Linux
- Many Visual Programming Projects
  Tools & Techniques: Google Blockly, Stanford AppInventor2, Scratch
- Many other Semester Projects
  Tools: C#.NET, Java, C/C++, PHP, HTML, CSS,

Tools

- DevC++, TurboC++, Visual Studio, Sql Server, NetBeans, Eclipse, Google Colab, Oracle, PHP, HTML, CSS, JavaScript, jQuery, Wordpress, MATLAB

Achievements

- Achieved the Gold Medal in MCS program at Air University.
- A/A+ in all core and elective courses in MS degree.

References

Prof. Dr. Aman Ullah Khan	Mr. Tariq Naeem Khan
Ex. HOD Comp. Science Dept.	*Lecturer* Comp. Science Dept.
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