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DR. GHOUSIA USMAN

OBJECTIVE

I want to be a good professionalist and become a part of well reputed organization where I can explore the skills to utilize my expertise and share the knowledge to gain more.

EDUCATION

2013-2019 (Ph.D in *Computer Science*)
Lahore College for Women University, Lahore.

2008-2010 (MS in *Computer-Science*) (2 years)
Lahore College for Women University, Lahore.
With CGPA 3.70 (1st division)

2003-2007 (BS-Hons in *Computer-Science*) (4 years)
Punjab University College of Information Technology, Lahore.
With CGPA 2.94 (1st division)

2001-2003 (ICS) (1st division) (2 years)
Govt. College For Women Bund Road, Lahore.

1999-2001 (Matric in *Science*) (1st division)
Farooqi Girls High School, Lahore.

EXPERIENCE

Assistant Professor (August 2021 to date)
Department of Computer Science
Kinnaird College for Women University, Lahore.

Lecturer (2008-2009)
Department of Computer Science
Apwa College for Women, Lahore.

AWARD RECEIVED

I won Quiz Competition in 3rd house with 1st position, in PUCIT.

SKILLS

I know the working on MS Office, Rational Rose, Adobe Photoshop, Ms Paint, Ms Access, Ms Project, Ms Visio, Visual Source, SQL, WEKA.
Also in programming languages I know about C++, Java, ASP .Net, C#, MATLAB.
Familiar with PHP, HTML, XML.
Experienced with Windows 9x/NT/2000/XP.

THESIS OF PH.D(CS)

A COMPUTERIZED APPROACH FOR LUNG CANCER RISK ESTIMATION AND CLASSIFICATION BASED ON NODULE DETECTION

This research work is focused on the detection of lung nodule for the risk evaluation and prediction of lung cancer at an earlier stage. A dataset of CT images of more than 500 patients is used to validate the proposed approach. The proposed approach is implemented using MATLAB and performance of the approach is evaluated in WEKA tool. The feature set is extracted and reduced using feature extraction, and feature reduction and selection process respectively. Multiple classifiers are used to check the appropriateness of 'selected features'. The proposed approach has produced 99% precision, 98% accuracy, and 99% sensitivity using Simple Logistic classifier with 66% split.

THESIS OF MS(CS)

IMPROVED K-MEANS CLUSTERING ALGORITHM BY GETTING INITIAL CENTROIDS

K-means clustering algorithm is a one of the major cluster analysis method that is commonly used for extracting useful information in terms of grouping data. This paper proposed a method for effective clustering by selecting initial centroids. The improved k-means clustering algorithm provides more accuracy and effectiveness rather than previous one.

PROJECT OF BS(HONS)

CRM (C#, ASP .NET+SQL SERVER)

Customer relationship management is a corporate level strategy, focusing on creating and maintaining relationships with customers. CRM is the 3-tier architecture where these three tiers are database, core business logic and the presentation.

LIST OF PUBLICATIONS

Usman, G., Ahmad, U., & Ahmad, M. (2013). Improved k-means clustering algorithm by getting initial cenroids. World Applied Sciences Journal, 27(4), 543-551. (IF=0.606)

Usman, G., Fahiem, M. A., Farhan, S., and Tauseef, H., “Evaluating Various Lung Cancer Nodule Detection Techniques—A Comparative Study,” Journal of Testing and Evaluation, Vol. 46, No. 2, 2018, pp. 798–819 (2018) (IF=1.264)

Shaukat, A., Farhan, S., Fahiem, M. A., Tauseef, H., Tahir, F., and Usman, G., “Textural and Geometrical Features Based Approach for Identification of Individuals Using Palmprint and Hand Shape Images from Multiple Multimodal Datasets,” Journal of Testing and Evaluation (2018) (IF=1.264)

Habib, H., Tauseef, H., Fahiem, M. A., Farhan, S., & Usman, G. (2020). SpeakerNet for Cross-lingual Text-Independent Speaker Verification. *Archives of Acoustics*, *45*(4), 573-583. (IF=0.618)

INTERESTS AND ACTIVITIES

Learning new technologies, Designing, Art creation.

CAPABILITIES

Always try to complete our work in time.
Have learning skills to learn rapidly.
I can adjust in new environment.
I can work as a good team member as well as independently.

REFRENCES

Will be provided on demand.