


UZMA ZEHRA

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Research Interest

Software Engineering, Artificial Intelligence, Humanoid Robotics, Computational Intelligence, Machine Learning, Data Mining, Big Data Analytics, and Advanced Web Engineering.

Education

- 2012-2014 Master of Science (Computer Science), Major in Artificial Intelligence, Software Engineering and Data Mining, from Institute of Business Administration, Karachi, with CGPA 3.5/4.0
- 2006-2009 Bachelor of Engineering (Computer & Information System Engineering), NED UET, Karachi.
- 2005 Intermediate from BAMB PECHS Govt. College in 2005.
- 2003 Matriculation from HILTON Public School

Career Highlight

- June2016-Present Serving as Lecturer at NED University Of Engineering & Technology in Computer Science & Software Engineering Department.
- 2015-June2016 Served as Lecturer at Hamdard University in Computer System Engineering Department.
- 2010-2014 Worked as a software developer in BENCH MATRIX Private Limited, Karachi. Actively participated in the completion of the following projects.

- **REVIEW**-Online training module basically a web-based, fully configurable and integrated application that streamlines the training process of employees. It offers customizable services to administer or create tests and monitor results of employees.
- **CREDIT RISK MANAGEMENT**- CRM complies with new and revised regulatory standards, helping to manage the credit risk more effectively and efficiently. It is a web-based, fully configurable and

integrated application. It offers the facilities for End to End Credit Process Coverage, Dashboards, Monitoring tools, Analytical tools and Comprehensive Dynamic Reporting.

— Academic Projects

Master of Science (Research Survey)

Studied Game theoretic approaches, of Opponent Modeling in Robot Cup Soccer using Game Theory.

Bachelor of Engineering

(Final Year Project) Interactive Panorama Tour

Developed panoramic view i.e., virtual tour of the CIS Department of NED UET, Karachi, using image matching, stitching and blending algorithms. Mostly it utilizes image processing and pattern matching techniques.

(Third Year Project) Mobile Phone Information Website

Having information about mobile and other features like searching, downloading of mobile software and advanced search facility.

(Second Year Project) Arithmetic & Logic Unit

Hardware project, focus on basic arithmetic operation like addition, subtraction, multiplication, comparison & logic unit.

(Second Year Project) CD shop Database

Using C#, Project focus on maintaining database of a cd shop including features like searching, adding & updating.

(First Year Project) Matrix Manipulation

Using Turbo C, Project focus on Matrix operations like addition, multiplication, diagonal, scalar, adjoint & inverse.

— Courses & Workshop

Successfully completed 3 months course on Database development (with .NET framework) using Object Oriented Programming from NED UET, Karachi.

Attended workshop on MATLAB 7 at NED UET Karachi.

— Certification

Data Science Associate
EMC, License 275220807
October 2014 - Present

— Technical Skills

Programming Languages: C#.NET, Visual Basic, C++, C

Databases: MS Access, SQL Server

Data Mining Software: R, Weka, KNIME

Big Data Analytical tools: Hadoop (Map-Reduce Programming), Pig, Hive, Mahout

Scripting Languages: ASP, PHP, JavaScript, AJAX, JSON

Style Sheet Language: CSS

Semantic Technologies: XML, XSLT, Xpath, RDF, OWL, REST

Ontology Editors: Protégé

Reporting: SAP Crystal Reports

——— **Soft Skills**

Courtesy and Honesty.

Self-supervising and organized.

Desire to learn and be trained.

——— **Interest**

Reading articles related to Information Technology.

Watching cooking shows.

——— **Extra circular Activities**

Participated in “*speed programming*” competition of **SPEC 2008** organized by Electronics Department of NED University of Engineering & Technology.

Worked as an organizer in creativity team of **TECH ELITE 2009** competition.

——— **References**

Dr.Sajjad Haider

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