Farhana Zaman Glory

Software Engineer, QuintilesIMS

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OBJECTIVE AND SELFASSESSMENT

To get myself admitted in a renowned university for doing Masters. After being admitted I want to devote myself in research and project works. Through hard work and devotion I want to be a part of the advanced technology that will ensure the best utilization of my academic talents. I have the skills to survive in extreme environment. I am hardworking, patient, active, flexible, agile and creative.

EDUCATION

Degrees/Academic Distinction	Department/Major	Institution	CGPA	Year of Completion
Bachelor of Engineering	Computer Science and Engineering	Bangladesh University of Engineering Technology	3.17 out of 4	July,2014
Higher Secondary Certificate (H.S.C.)	Science	Ideal School & College	5.00 out of 5.00	2008
Secondary School Certificate (S.S.C.)	Science	Ideal School & College	5.00 out of 5.00	2006

WORK EXPERIENCE

Organization	Post	Timeline	Related Experience
QuintilesIMS	Software Engineer	July 1, 2014 to Present	Working with SSIS, SSAS, SQL Server, version controlling, developing websites and learning Business Intelligence tools

ACHIEVEMENT & AWARDS

- **Government Education Board Scholarship** in talent pool for securing the **4th** position in merit in whole Bangladesh in Junior Scholarship Examination.
- **Government Education Board Scholarship** in talent pool for securing the **11th** position in merit in Dhaka board in the Secondary School Certificate Examination.
- Poster paper presenter at Beijing Normal University on the ICALT 2013 Conference in China.
- '**Best Paper Award**' in **Bioinformatics and Stringology workshop** organized in BUET in February, 2014.

RESEARCH EXPERIENCE

- I have done my final year research on "Protein Tertiary Structure Retrieval Algorithm" under the supervision of Dr. Md. Abul Kashem Mia. We have discovered an extremely fast and highly accurate method of retrieving tertiary proteins from a large database based on computer vision. The speed and accuracy of this come from the two newly introduced features: the co-occurrence matrix of the oriented gradient and pyramid histogram of oriented gradient and the use of Euclidean distance.

RESEARCH EXPERIENCE

- I have also developed a cost effective Education Model to improve learning environment for poor children in developing regions.

PUBLICATIONS

- "**CoMOGrad and PHOG: From Computer Vision to Fast and Accurate Protein Tertiary Structure Retrieval**" - this paper was published in **Journal of 'Scientific Reports',** Article number: 13275 by **Nature Publishing Group.** Here is the link http://www.nature.com/articles/srep13275.
- "**Towards Ubiquitous Learning Tools for Computer Aided Classroom in Developing Regions**" - has been published in 16th International Conference on Computer and Information Technology (ICCIT 2013) **(IEEE Sponsored)**. Here is the link: http://ieeexplore.ieee.org/document/6997384/

PROJECT WORKS

- A logic game named 'Magic Ball' using C programming language
- A traffic signal simulation using Assembly language
- A software named 'Online Image Editor & Viewer' using java environment
- 'Bangladesh Traffic Management System' using SQL Server
- An Animated Simulation of Multi-peg Tower of Hanoi
- A learning tool for young learners named 'Learn in Fun' using JavaScript, DOM model, HTML and CSS. Link: https://drive.google.com/file/d/0B9AmiPNdMxRAckFmbGg5ODRPVXM/view?usp=sharing
- A very basic operating system named 'NACHOS 'with thread-scheduler & other few fundamental OS functionalities
- A compiler of a subset of Pascal language
- A 4 bit computer PC with SSI and MSI chips
- A sonar activated obstacle detecting robot using AVR microcontroller
- A complete apartment with drawing, dining and bed room design using OpenGL
- A web application for Tertiary Protein Structure Retrieval: http://research.buet.ac.bd:8080/Comograd/

ADDITIONAL SKILLS

- C,C++, Java, Matlab, Assembly language, Latex, Python.
- MySql, Oracle, PL/SQL
- XML, JavaScript, HTML, CSS
- OpenGL, HTML5

EXTRA CURRICULAR ACTIVITIES

- Active member of BUET Community Action
- Active member of Onuronon (BUET Mathematical Society)
- Activist in departmental activities
- Participation in several internal programming contest and project competitions
- Organizer of some events in school, college and university
- Active participation in cultural programs organized in school, college and university.
- Member of BUET Photographic Society.

REFERENCES

Dr. Md. Abul Kashem Mia
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and Controller of Examinations
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