

## OBJECTIVE

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My goal in life is to pursue a career in bioinformatics, covering wet-lab and computer lab, using my knowledge and practical experience to the growing evolution of this field.

## RESEARCH INTERESTS

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Genome and Sequence Analysis

Structural Bioinformatics

## QUALIFICATION

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BS-Bioinformatics 2005-2009,

COMSATS Institute of IT,

CGPA 3.41/4.00

## PROFESSIONAL EXPERIENCE

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Research Associate in Bioinformatics 2009- 2010 CIIT, PAKISTAN.

## PUBLICATIONS:

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Malik Nadeem Akhtar, Syed Abbas Bukhari, Zeeshan Fazal, Raheel Qamar, Ilham Shahmuradov  
"POLYAR, a new computer program for the prediction of Poly (A) signals in Human Genome." BMC  
Genomics, 2010.

## AWARDS

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- I got Bronze Medal in my graduation degree of Bioinformatics.
- I have achieved merit scholarships in BS – Bioinformatics.
- I have achieved 2<sup>nd</sup> prize (3D model of alpha-helix) in model competition organized by COMSATS institute of information technology Islamabad, Pakistan.

## PROJECTS

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- Computer Tools for Prediction of Transcription Termination Signal in Human Genome
- Life Investigator C#.Net
- A computer program to read RefSeq chromosome annotation files and to generate datasets required for different genomic sequence analysis.
- Implementation of Sankoff Algorithm C++
- Implementation of Boyer Moore Algorithm C++
- Implementation of Needleman Wunch and Smith-Waterman Algorithm C++
- Computational analysis of HCV variants

## BIOINFORMATICS SKILLS

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### Basics of Computing:

Linux/Unix (Red Hat 9), Windows Xp and Windows 7.

MS Office (Word, Excel, Power Point, Access, Front Page)

### Programming languages:

C++, Java, Visual Studio.net

### Bioinformatics tools:

Mol Quest (gene finder)

BLAN(Blast Results Analysis Tool)

### Web based tools:

Genscan, Gene Builder, Gene View, ORF Finder, XRNA, RNAfold, Blast, Tcoffee, ClustalW, GRAIL, etc and familiar with all databases i.e NCBI, Expassy, PDB, Ensembl,UCSC ProSite etc.

## ACTIVITIES

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- I have participated in IEEE-PROCOM 2008 (Software Competition) organized by FAST University Karachi, Pakistan and IEEE-TechFair 2008 organized by GC University Faisalabad,Pakistan.
- Reading Books, Volley Ball and Cricket