Shakra Batool

CONTACT INFORMATION	MCB 8/45 Mohallah Anwar abad, Chakwal, shakra.batool123@gmail.com Pakistan
RESEARCH INTERESTS	Image Preporocessing, Classification of Images, Segmentation of Images, Machine Learning, Deep Learning, Data Mining, Feature Extraction from Medical Images.

EDUCATION

COMSATS University, Islamabad, Pakistan.

BS. Bioinformatics (major in Computer Science)   Feb. 2017 - Jan. 2021
- **CGPA:** 3.46 out of 4.0
- **Thesis**: Cancer Detection and Segmentation Using Deep learning .
- *Brief Description*: this invloves the fine tunning of pre trained architectures of CNN models that classify the input images of mammograms and histopathological images in to malignant and benign tumor. Second part of the project is segmentation which is done by training the model and trained model segment the nuclei present in histopathological input image along with nuclei count.

Kallar Kahar Science College, Chakwal, Pakistan.

FSc. Pre-medical   June. 2013 - May. 2016
- **Marks:** 844 out of 1100

Relevant Courses
- *Artificial Intelligence and Neural Networks*
- *Deep Learning*

LANGUAGES AND TOOLS

- **Languages:** Java, C++, Python, SQL. I am also familiar with HTML, Visual Studio, C#.

- **Tools:** Eclipse, Idle, Google Colab, Netbeans, Visual Studio, MS SQL Server, XAMP.

COURSE PROJECTS

- Cancer Detection and Segmentation
- Restaurant Management System
- Human Proteins Extraction Tool
- Wampus World
- Fisher Price Game
- Metagenome-wise Diabetes Detection

OTHER SKILLS

- Drug Designing by receptor legand binding using Bioinformatics Softwares like Hex Software, Ligplot Plus, PDB Editor, Chimera, Wincoot.
- Study of DNA of different species using NCBI, EBI, SwissProt .
- DNA to Proteins Conversions using Bioinformatics Tool ExPasy.
- Identifying Novel proteins and compare their sequences with other protein's sequences using BLAST, FASTA, Rasmol, ClustalW, Emboss.
- Microsoft Word, Microsoft Exel, Microsoft Powerponint, Microsoft Access.