

## Shakra Batool

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CONTACT INFORMATION MCB 8/45 Mohallah Anwar abad, Chakwal, [shakra.batool123@gmail.com](mailto:shakra.batool123@gmail.com) Pakistan

RESEARCH INTERESTS Image Preporocessing ,Classification of Images, Segmentation of Images , Machine Learning, Deep Learning, Information Retrieval, Data Mining, Information 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 , Classification and Segmentation Using Deep learning .
- *Brief Description:* this invloves the fine tuning of pree trained architectures of CNN models that classify the images of mammograms along with histopathological images in to mallignant and benign tumor. Segmentationis also done by training the model named Unet along with nuclei count from predicted segmented images.

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 .

OTHER SKILLS

- Drug Designing by antigen antibodies interaction using Bioinformatics tools.
- DNA Sequencing .
- DNA to Proteins Conversions using Bioinformatics Tools.
- Identifying Novel proteins and compare their sequences with other protein's sequences using Bioinformatics Tools .