ABDUR RAHMAN ANSARI

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A Deep Learning enthusiast with multiple projects and lab experience, focussing mainly on AI prowess for solving real world medical problems.

EXPERIENCE

Internship at IBAB, Bangalore *[November 2023 - August 2024]*
Built representation learning pipeline for accurately representing ASD related mutations in humans using deep learning techniques viz. Pytorch, CNN models and Transformer models, LSTM etc.

University Lab *[March 2023 - June 2023]*
Built image segmentation/augmentation algorithm for identifying minute details in breast cancer tissue images acquired from hospital for live detection of breast cancer using built algorithm on microscope.

Freelancing as Content writer and SEO optimization *[July 2023 - October 2023]*
Articles on - www.musafir.in
Example-https://themusafir.in/10-best-resorts-in-bangalore-for-couples-a-rom antic-retreats/

PROJECTS

Representation Learning on ASD mutations
Building a pipeline of tools and deep learning models, from WGS data to phenotypic behaviours for identifying, screening and eventually treating ASD in infants using variants.

Gene expression analysis for classification of brain cancer *[ongoing]*
Using gene expression data of brain cancer patients and normal groups, develop a robust pre-processor and hybrid ML architecture for classification of brain cancer and its subtypes.

AI chatbot for healthcare assistance *[ongoing]* (https://github.com/abd-ur/HealthBot)
Develop and deploy an NLP chatbot along with an efficient Tensorflow model to learn and provide suitable recommendations on medical health records.

Oral squamous cell carcinoma detection model (https://github.com/abd-ur/OSCCdetection**)**
Built a stacked multi-model ML architecture with a voting mechanism to accurately predict carcinoma cells on pre-processed oral tissue images.

EDUCATION

Sri Ramachandra Institute of Higher Education and Research, Chennai, India
M.Sc. Medical Bioinformatics (2022-2024) CGPA - **8.7**

Veer Bahadur Singh Purvanchal University, Jaunpur, Uttar Pradesh, India
B.Sc Biotechnology at (2018-2021)

SKILLS AND ABILITIES

What I learned: **Programming** - Python, Java, C, R

Expertise - Deep Learning, Reinforcement Learning, Pytorch, Tensorflow, Machine Learning, Backend(Django), DSA(C), Artificial Intelligence

Tools - Big Data Analytics(Apache Hadoop, Apache Spark, VM implementation), Molecular Docking, BLAST, PsiBLAST, Chimera

What I have: Problem solving, Analytical thinking, Adaptability, Teamwork and Creativity