Riaz Mehadi

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About

I am a Computer Science and Engineering graduate from North South University with expertise in C++, Python, Java, MySQL. I have solved more than 1700 problems on competitive programming platforms like Codeforces and LeetCode, honing my problem-solving skills. My project experience includes a quiz web application and advanced machine learning projects like Non-Small Cell Detection and Bangla Sign Language Detection.I strive to embrace new challenges and deliver impactful solutions in the field of computer science.

Education

North South University, BS in Computer Science   Sept 2019 – Mar 2024

- GPA: 3.61/4.0 (obtained almost 90% mark)
- **Coursework:** Software Engineering, Design and Analysis of Algorithms, Machine Learning, Introduction to Theory of Computation, Pattern Recognition, Computer Vission, Deep Learning

Experience

I have solved more than 1700 problems in codefroces, leetcode, Heackerrank,and other online judges and gained experience and learned various techniques to solve many problems through the journey of problem-solving. I have learned many advanced topics like Dynamic Programming, Graph, Tree, DSU, and many more.

Publications

Non-Small Cell Detection is published in PLOS ONE JOURNAL(Q1).   Nov 2024

Mahir Afser Pavel, Rafiul Islam, Shoyeb Bin Babor, *Riaz Mehadi*, Riasat Khan

10.1371/journal.pone.0306441

Projects

1.Non-Small Cell Detection using Knowledge Distillation with a Web App

- **Frontend:** HTML, CSS.
- **Backend:** Python.
- **Algorithms:** CNN, VGG-16, ResNet-50, ViT, Swin, MobileNet.

2. Quiz Application

- **Frontend:** HTML, CSS.
- **Backend:** Django.

Technologies

Languages: C++, C, Java, python, C#, SQL

Technologies: Codeblock,Anaconda, Microsoft SQL Server, vscode