Shivam Pandey

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Education

Bachelor's of Technology | Computer Science and Engineering　　　　July 2020 – July 2024
Asansol Engineering College | GPA-8.85　　　　*Asansol, West Bengal*

CBSE | CLASS XII　　　　July 2018 – May 2020
Burnpur Boys' High School | Percentage-70.80%　　　　*Burnpur, West Bengal*

CBSE | CLASS X　　　　July 20017 – May 2018
Burnpur Boys' High School | Percentage-67.71%　　　　*Burnpur, West Bengal*

Technical Skills

Programming Languages:	C, C++, Java
Web Development:	HTML, CSS, JavaScript
DataBase:	MySql
Developer Tools:	Git, GitHub, VS Code

Relevant Coursework

- Data Structures
- Object Oriented Programming
- Software Development Life Cycle
- DataBase Management System
- Operating Systems

Projects

Sorting Visualizer | Link　　　　HTML, CSS, JavaScript, Git, GitHub

- Created a **web application** using **HTML, CSS,** and **JavaScript** to visualize how various **sorting algorithms** work.
- The application allows the user to select the sorting algorithm, speed of the visualization, and **input array** elements.
- The sorting algorithm continues its loop until it has completely sorted the elements. The visualizer ensures the loop iterations are **synchronized** with the **graphical updates**, allowing the user to observe the sorting process in real time.
- It implements **Bubble Sort**, **Selection Sort**, **Merge Sort**, and **Quick Sort**.

Image Segmentation for Breast Cancer | Link　　　　Python, Numpy,Matplotlib,Pandas, Google Colab

- The data reviews the medical images of breast cancer using ultrasound scan. The Breast Ultrasound Dataset is categorized into three categories, benign, and malignant images. Breast ultrasound images can produce great results in the classification, detection, and segmentation of breast cancer when combined with machine learning.　　.
- AttentionUNet/UNet is the best know model for Multi-Class Segmentation, that's why we will be creating an Attention UNet Model.
- The Model will consist of an Encoder Block, Decoder Block, and an Attention Gate.

Certificates

Microsoft Azure Fundamentals(AZ-900) | Link to certificate
Introduction to Machine Learning: | Link to certificate
Programming for Everybody (Getting Started with Python): | Link to certificate

Achievments

- **Geeksforgeeks | shivampandey7308**
- **Hackerrank: | shivam_pandey731**
- **Leetcode: | 041_shivamPandey**

Interest

Painting, Reading Newspaper