SAYAN GHORUI

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EDUCATION

B.Tech in Computer Science And Engineering (Data Science), Brainware University   Expected 2025

Relevant Coursework : Data Structure And Algorithm, Operating System, Database Management System, Computer Network.

SGPA - 9.2 (till 6th sem)

SKILLS

Language	Java, Python
Frontend	HTML, CSS
Backend	Django
Database	Mysql
IDE and Build Tools	VS Code
Version Control	Git , GitHUb

EXPERIENCE

Intern   Oct 2023 - Jan 2024

Codeclouds It Solutions   *Kolkata, West Bengal*

- Implement backend features for an e-commerce website using **Django** and **MySQL**. (check it out)
- Integrated frontend and backend components for seamless user experience.
- Conducted a detailed review of database structures and identified redundancies, which led to a 60% increase in query execution speed, allowing for quicker data analysis and improved operational workflows.

PERSONAL PROJECTS

CPU Scheduling Algorithm Visualizer:

- Developed a web-based application using Django that visualizes various CPU scheduling algorithms, including **First-Come First-Served (FCFS), Shortest Job First (SJF), Round Robin (RR), and Priority Scheduling**.
- Developed priority levels for Priority Scheduling, enhancing resource allocation efficiency and enabling the system to handle 1,000+ concurrent tasks, leading to a smoother operational flow and increased productivity.
- Calculated and displayed critical metrics such as total and average waiting times, turnaround times, and execution sequences. (check it out).
- **Technologies Used**: **Frontend**: HTML, CSS | **Backend**: Django

To Do List :

- Developed a to-do list website using Django and MySQL.
- Implemented user authentication for secure access.
- Created functionalities for task creation, editing, and deletion.(check it out)
- **Technologies Used**: **Frontend**: HTML, CSS | **Backend**: Django

ACHIEVEMENTS

- Ranked **1326** out of **34,698** participants in LeetCode Biweekly Contest 135. (Rank List)
- Finalist at **TECHGIG CODEGLADIAORS** 2024