SAYAN PAL

sayansayan2647@gmail.com| 9547264731 | Kolkata
GitHub | LeetCode | Linkedin

Education

Netaji Subhash Engineering College	KOLKATA
B.TECH IN INFORMATION TECNOLOGY GPA: 9.4	2019 - 2023

Experience

PRATILIPI | WEB DEVELOPER   KOLKATA | APR 2022 - JUL 2022

Worked with HTML, CSS, bootstrap and UI tools under a team. Worked as a Frontend Web developer. **creating webpage layouts, writing code, editing website content, and making adjustments based on client feedback**.

Open Source Geospatial Foundation (OSGeo) | Volunteer   Remote | Feb 2022 - Present

Contributed to the pgRouting project under the OSGeo organization. Still contributing new features and functionalities to the codebase.

Implemented Graph Algorithm in pgRouting, a Postgres extension that extends the PostGIS / PostgreSQL geospatial database to provide geospatial routing functionality. The project mainly involved working with C++, Boost Graph Library, PostgreSQL and unit testing using pgTAP.

Coding Blocks | Teaching Assistant   REMOTE | May 2020 - AGUST 2020

Worked as a Teaching Assistant for the Data Structures and Algorithms with C++ course. Solved more than 250+ problems while clearing doubt of students.

SkillVertex | Intern   REMOTE | MAR 2022 – JUN 2022

WORKED as a web developer trainee. Worked on different websites.

Skills

Programming Languages:	C++, C, Python
Libraries/Frameworks:	CMake, Boost C++, Flask, Latex
Tools / Platforms:	Git, GitHub, Firebase, Sphinx C++
Databases:	PostgreSQL, MySQL
Other Languages:	HTML, CSS, JavaScript,Bash,SQL

Projects / Open-Source

pgr_edgeColoring | Link   C++, C, SQL, Sphinx, pgTAP

Contributed one new function: "pgr_edgeColoring" in pgRouting, an opensource repository with more than 850+ stars and 320+ forks.

Maze Generator | Link   C++

Implemented various 2D maze generation algorithms such as Kruskal's algorithm and Prim's algorithm. Implemented a CLI as well as GUI interface along with exporting capability.

SORTING VISUALIZATION | Link   HTML, CSS JAVASCRIPT, BOOTSTRAP

a web development project which is used to visualize the sorting algorithms and performs the operation of algorithms step by step as the algorithms works like Bubble Sort, Selection Sort , Merge Sort etc.

QUIZ KHELO |LINK   HTML,CSS,JAVASCRIPT,BOOTSTRAP

a web development project which is used to visualize the the quiz app Which is made by HTML,CSS, JAVASCRIPT AND BOOTSTRAP.

SWG ACADEMY |LINK   HTML,CSS,JS,REACT,BOOTSTRAP,UI,UX

A FULL REAL LIFE WEBSITE WHICH IS CONNECTED WITH REAL SERVER.DEVELOPED BY HTML,CSS,JS,REACT,BOOTSTRAP,HOSTINGER,UI/UX DESIGN.

Honors & Awards

ACM ICPC 2020: Secured 99th place in online Regional contest.

SIH 2020: Semi- fnalists of the Smart India Hackathon organized by Central Government of India.

10 Days of Code: Winner of a 10 Days long Coding contest organized by Coding Blocks

StackTracer: Stood 2nd position in intra-college Bug xing coding competition.

HACKERRANK CERTIFICATION IN PYTHON ,C++.