

Veenit Kumar

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Work Experience

- May 2021 - **Student Developer, Google Summer of Code (GSoC)**, Remote.
Aug 2021
 - Worked with the organization: [OSGeo - Open Source Geospatial Foundation](#).
 - 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.

May 2019 - **Teaching Assistant, Coding Blocks**, New Delhi.
July 2019
 - Worked as a Teaching Assistant for the *Data Structures and Algorithms with C++* course.
 - Solved more than 250 problems while clearing doubt of students.

Projects/Open-Source

- May 2021 - **pgr_edgeColoring**, (C++, C, SQL, Sphinx, pgTAP).
Aug 2021
 - Contributed one new function in pgRouting open-source repository with more than 850 stars and 320+ forks.
 - Link to the Pull-Request: [pgr_edgeColoring](#)

June 2020 - **Maze Generator**, (C++).
Aug 2020
 - 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.

Education

- 2018 - 2022 **Netaji Subhash Engineering College, Kolkata**, *Bachelor of Technology in Computer Science and Engineering*, GPA: 8.63/10.0 (Till 7th Semester).
(Expected)

Achievements

- Competitive Coding** 4-Star (Purple) on [CodeChef](#), 5-Star in Problem Solving on [HackerRank](#), [Sphere Online Judge \(SPOJ\)](#), [LeetCode](#).
ICPC '20 Secured 99th place in online Regional contest of [ACM-ICPC 2020](#).
SIH '20 Semi-finalists of the Smart India Hackathon organized by Central Government of India.
10DaysOfCode Winner of a 10 Days long Coding contest organized by [Coding Blocks](#).
50K LoC! Maintained almost exhaustive repositories on [GitHub](#), containing more than 50k Lines of Code.

Technical Skills

- Languages C++, C, Python, HTML, CSS, JavaScript, SQL
Tools and Libraries Git, GitHub, CMake, Boost C++, L^AT_EX, PostgreSQL, Sphinx