

# 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: 8.51/10.0 (Till 6th 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<sup>A</sup>T<sub>E</sub>X, PostgreSQL, Sphinx