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# Veenit Kumar

## Work Experience

- May 2021 - **Student Developer, Google Summer of Code (GSoC)**, Remote.
- August 2021
- Working with the organization: [OSGeo - Open Source Geospatial Foundation](#).
  - Implementing Graph Algorithm in [pgRouting](#), an extension of the PostGIS/PostgreSQL geospatial database to provide geospatial routing functionality.
  - The project mainly involved working with C++, [Boost Graph Library](#), PostgreSQL.
- 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

- June 2020 - **Maze Generator**, (C++).
- Aug 2020
- Implemented various 2D maze generation algorithms such as Kruskal's algorithm, Randomized Depth-First traversal and Prim's algorithm.
  - Implemented a CLI as well as GUI interface along with exporting capability.
- Jan 2020 - **Codeforces Problems Ladder**, (Python, Django, HTML, CSS, JavaScript).
- May 2020
- A dynamic web-app that aggregates Competitive Programming problems from [Codeforces](#), deployed on Heroku.
  - Contains a curated list for practicing different problems based on ratings and difficulties level accessed through this: [CodeForces Ladder](#).

## Education

- 2018 - 2022 **Netaji Subhash Engineering College Kolkata**, Bachelor of Technology in Computer Science and Engineering, GPA: 8.42/10.0 (After 5 semesters).
- (Expected)

## Achievements

- Competitive Coding** 5-Star in Problem Solving on [HackerRank](#), 4-Star(Purple) on [CodeChef](#), [Sphere Online Judge \(SPOJ\)](#), [LeetCode](#).
- SIH '20** Semi-finalists of the Smart India Hackathon organized by Central Government of India. Member of the team GeeksOfCastamere.
- 10 Days of Code 2019 Winner of a 10 Days long Coding contest based on Data Structures and Algorithms, 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, Bash
- Tools and Libraries Git, GitHub, CMake, Boost C++, Django, Flask,  $\text{\LaTeX}$ , Firebase, PostgreSQL, MySQL, Sphinx, Sublime Text, Vim