

# Veenit Kumar

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GITHUB | LINKEDIN | PORTFOLIO | HACKERRANK | CODECHEF

## EDUCATION

**NETAJI SUBHASH ENGINEERING COLLEGE**

**BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING**

GPA: 8.51/10.0 (Till 6th Semester)

2018 - 2022 (Expected)

Kolkata, India

## EXPERIENCE

**GOOGLE SUMMER OF CODE (GSOC) | STUDENT DEVELOPER**

Remote | May 2021 – Aug 2021

- Worked with the organisation: 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 involved working with C++, Boost Graph Library, PostgreSQL and unit testing using pgTAP.

**NETAJI SUBHASH ENGINEERING COLLEGE | TEACHING ASSISTANT**

Jan 2021 – April 2021

- Worked as a Teaching Assistant for the Design and Analysis of Algorithms course.
- Work involved conducting tutorials, creating assignments, developing algorithms for simple computational tasks and reasoning about their correctness.

**NETAJI SUBHASH ENGINEERING COLLEGE | TEACHING ASSISTANT**

Aug 2020 – Nov 2020

- Worked as a Teaching Assistant to 2nd year CS undergraduates for Data Structure & Algorithm.
- Responsibilities include mentoring teams of students, conducting Tutorials, preparing and grading assignments and exams.

**CODING BLOCKS | TEACHING ASSISTANT**

New Delhi, India | May 2019 – 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.

## SKILLS

PROGRAMMING LANGUAGES	C++, C, Python, HTML, CSS, JavaScript, SQL
LIBRARIES/FRAEMWORKS	CMake, Boost C++, Latex
TOOLS / PLATFORMS	Git, GitHub, Sphinx
DATABASES	PostgreSQL, MySQL

## PROJECTS / OPEN-SOURCE

**PGR\_EDGE COLORING | [LINK](#)**

C++, C, SQL, Sphinx, pgTAP

Contributed one new function: "pgr\_edgeColoring" in pgRouting, an open-source 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.

## HONORS & AWARDS

- ACM ICPC 2020: Secured 99th place in online Regional contest.
- SIH 2020: Semi-finalists 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 fixing coding competition.