VEENIT KUMAR

123sveenit@gmail.com | +91- 6207732101

GitHub | **Linkedin** | **Portfolio** | **HackerRank** | **CodeChef**

EDUCATION

Netaji Subhash Engineering College   Kolkata, India
Bachelor of Technology Computer Science and Engineering *GPA: 8.75/10.0*   2018 - 2022

EXPERIENCE

Rakuten | Technical Intern   Bengaluru, India | April 2022 - July 2022

- Worked with RCP tools team under Data Platform Department.
- Build chatbot for Rakuten Rewards and Rakuten Ichiba console using Rasa.

Google Summer of Code (GSoC) | Mentor   Remote | March 2022 - Present

- Mentoring for pgRouting Project under OSGeo.
- pgRouting extends the PostGIS / PostgreSQL geospatial database to provide geospatial routing functionality.

Google Summer of Code (GSoC) | Student Developer   Remote | May 2021 - Sep 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.

Open Source Geospatial Foundation (OSGeo) | Volunteer   Remote | Feb 2021 - Present

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

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, Bash, SQL
Libraries/Frameworks:	CMake, Boost C++, Flask, Latex
Tools / Platforms:	Git, GitHub, Firebase, Sphinx
Databases:	PostgreSQL, MySQL

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.

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.

Speaker: FOSS4G 2021 Buenos Aires, Argentina

50K LoC!: Maintained almost exhaustive repositories on GitHub, containing more than 50k Lines of Code.