




# SAKSHAM JOSHI

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"Dedicated and innovative Compiler Designer with a passion for advancing optimization techniques. Committed to developing cutting-edge compiler solutions that drive efficiency and performance. Seeking opportunities to leverage expertise in creating innovative compiler designs that push the boundaries of technology."

## Professional Skills

- Excellent programming skills of **C++** along with software design, problem solving and debugging skills.
- A strong bias towards action and highly efficient and optimized code.
- Good at **data structures & algorithm** and excellent development and **debugging skills** in C, C++, Java & Python.
- Excellent written and oral **communication skills** and be able to clearly communicate technical detail and concept.
- **Hands-on** experience developing **compiler** prototypes.

## Projects

### SRON (Saksham Rapid Object Notation

Sep 2023 - May 2024

- An Open-sourced, platform-independent, dynamically typed, single-threaded, functional and compiled + interpreted programming language.
- Developed using GCC C++ 17.
- Compiler converts the source code to bytecode and saves it in a '.srb' file.
- Further, the bytecode can be executed using SRON's Interpreter in any platform with great efficiency, speed and less power consumption.

**Use:** <https://saksham-joshi.github.io/SRON-Website/>

## Education

### Bachelor of Computer Application

Graphic Era Hill University, Bhimtal

Oct 2021 - July 2024

## Languages

- English (Fluent)
- Hindi (Native)