

# SAKSHAM JOSHI

## COMPILER ENGINEER

### CONTACT

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### PROFILE

I am a quick learner, adaptive, dedicated, consistent, and mature person who is always ready to push limits.  
I enjoy solving complex problems using simple solutions that are efficient for computers to handle.  
While developing compilers or any other projects, I focus on providing all necessary features while minimizing memory and power usage as much as possible.  
I aim to work on harnessing my skills for the betterment of Alphabet as well as myself.

### SKILLS

- Compiler Engineering
- Interpreter Designing
- Advance C/C++
- LLVM (Low Level Virtual Machine)
- Optimization
- Data Structures
- Debugging
- Software Development
- Problem Solving
- Analytical Thinking
- Research

### WORK HISTORY

#### Software Engineer NavUday Software Solutions Pvt. Ltd.

Feb 2024 - Feb 2024

- Worked on API development using C# ASP.NET in Visual Studio 2022 IDE.
- Learned how to work with team

### PROJECTS

#### SRON Saksham Rapid Object Notation

Sep 2023 - May 2024

- A high-level, single-threaded, dynamically typed, functional and compiled + interpreted programming language.
- The compiler converts the source code to bytecode and saves it in a '.srn' file.
- Further, the interpreter loads the bytecode file and starts the execution of code.
- Developed using C and C++ from scratch.
- Provides extremely fast execution speed which surpasses C in input/output operations.
- Faster than Python, Java, C# and JavaScript in every case.
- Developed without using LLVM (Low Level Virtual Machine).
- Skills I acquired are Problem solving, complex architecture designing, compiler engineering, debugging and insane optimizations.
- Website: [bit.ly/SRON](http://bit.ly/SRON)
- Documentations: [sron.gitbook.io/docs](https://sron.gitbook.io/docs)
- GitHub: [github.com/saksham-joshi/SRON](https://github.com/saksham-joshi/SRON).

### EDUCATION

#### Bachelor's of Computer Application

#### Graphic Era Hill University

2021-2024

### LANGUAGES

