!!! info inline end ""

```
<figure markdown="span">
  ![Image](assets/credits.png)
  <figcaption>Active Maintainers/Creators</figcaption>
</figure>
The project is maintained by two core developers who each own a unique
layer of the system.
```
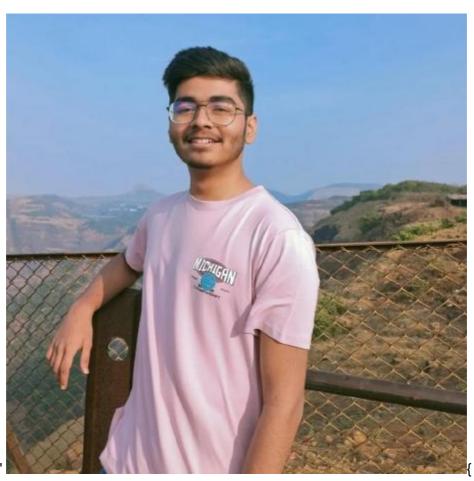
Virtual Machine `VIREX` Assembly Language `SASM` Compiler `ORIN` Editor Support `VS Code` License `GPL3`

=== "Soham Metha" {
width="120px" style="border-radius: 50%;" }

```
[![](https://img.shields.io/badge/Language-C-blue)]
(https://en.wikipedia.org/wiki/C_(programming_language)) [![]
(https://img.shields.io/badge/Project-VIREX-success)]() [![]
(https://img.shields.io/badge/Project-SASM-success)]()


> **Role**: Lead Developer <br>
> **Modules Owned**: VIREX VM, SASM Assembler, VS Code Extension, Docs

- Designed the **VIREX** Virtual Machine architecture.
- Developed the **SASM Assembler** and complete instruction set.
```

```
- Built tooling: AST visualizer, debug tools, and VS Code syntax
extension.
- Authored all core documentation.
- Maintains the monorepo, versioning, and long-term roadmap.

> *"VIREX is a hands-on way to explore systems programming, not just
study it."*
```

=== "Omkar Jagtap"

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```
[![](https://img.shields.io/badge/Language-C-blue)]
(https://en.wikipedia.org/wiki/C_(programming_language)) [![]
(https://img.shields.io/badge/Project-ORIN-orange)]() [![]
(https://img.shields.io/badge/Target-SASM-lightgrey)]()

> **Role**: Compiler Engineer – ORIN <br>
> **Modules Owned**: ORIN Compiler (WIP), Custom Hashtable
Implementation

- Designing and implementing **ORIN**, the high-level language compiler
targeting SASM
- Handles the full compilation pipeline: parsing, IR generation, and
SASM output
- Exploring advanced features like expression optimization and static
analysis

> *"ORIN aims to make high-level programming compatible with low-level
control."*
```

🤝 Contact & Community

- GitHub: github.com/sohammetha/virex
- Interested in contributing? Check out CONTRIBUTING.md

VIREX is open. Hackable. Minimal. Built for builders.

References

- Tsoding
- Dr Birch
- Low Byte Productions
- Cobb Coding