![Image](assets/credits.png)
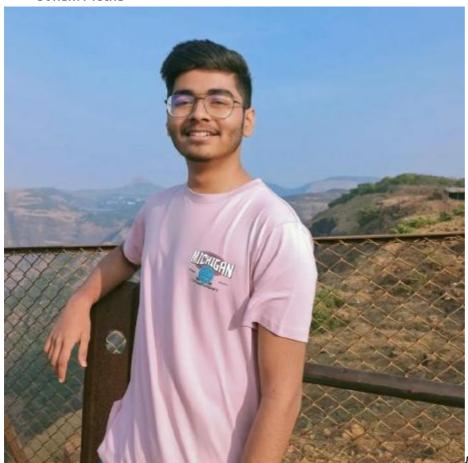Active Maintainers/Creators

👥 About the Creators

VIREX (VIRtual EXecuter) is a clean-room virtual machine built with clarity, extensibility, and education in mind. The project is maintained by two core developers who each own a unique layer of the system.

=== "Soham Metha"

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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-VIREX-success)]() [![]
(https://img.shields.io/badge/Project-SASM-success)]()


> **Role**: Lead Developer
> **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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```
  **Role**: `Compiler Engineer — ORIN`
  **Modules Owned**: ORIN Compiler (WIP)
  **GitHub**: [@friendusername](https://github.com/friendusername)

  [![](https://img.shields.io/badge/Language-C++-brightgreen)]
  (https://en.wikipedia.org/wiki/C%2B%2B)
  [![](https://img.shields.io/badge/Compiler-ORIN-orange)]()
  [![](https://img.shields.io/badge/Target-SASM-lightgrey)]()

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

🏗️ Tech Stack Highlights

Virtual Machine `VIREX` Assembly Language `SASM` Compiler `ORIN`
Editor Support `VS Code`
License `GPL3`

🤝 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