👥 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.
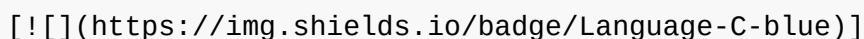
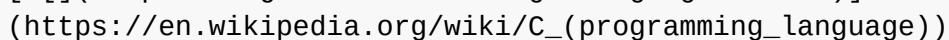=== "Soham Metha"

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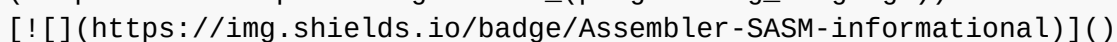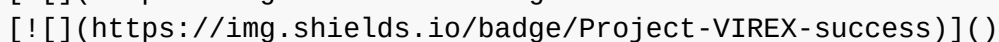
```
**Role**: `Lead Developer`
**Modules Owned**: VIREX VM, SASM Assembler, VS Code Extension, Docs

- 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

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

> *"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