!!! 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`

!!! tip ""

=== "Soham Metha"

```
<figure markdown="span">
  ![Soham's Avatar](https://www.github.com/Soham-Metha.png){
width="120px" style="border-radius: 50%;" }
</figure>


> **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."* <br>

[![](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)]()
```

=== "Omkar Jagtap"

{ 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-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."*
```

🙏 Acknowledgments

We'd like to thank:

- [Tsoding](), [Dr Birch](), [Low Byte Productions](), [Cobb Coding]() for foundational resources.
- The open-source ecosystems around JVM, and language tooling.
- Friends and testers who offered feedback during early development stages.

🤝 Contact & Community

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

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