

!!! info inline end ""

```
![Image](assets/credits.png)<br>
Active Maintainers/Creators
!!! warning ""
```

The project is maintained by two core developers who each own a unique layer of the system.

=== "Soham Metha"



{ width="120px"

style="border-radius: 50%;padding: 4px;" }

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

!!! tip "info"

- 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.

!!! quote

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

[]  
([https://en.wikipedia.org/wiki/C\\_\(programming\\_language\)](https://en.wikipedia.org/wiki/C_(programming_language))) []() []()

!!! quote ""

=== "Omkar Jagtap"



{width="120px" style="border-radius: 50%;"}</p>
</div>
<div data-bbox="110 381 732 431" data-label="Text">
<p>> \*\*Role\*\*: Compiler Engineer – ORIN <br>
> \*\*Modules Owned\*\*: ORIN Compiler (WIP), Custom Hashtable Implementation</p>
</div>
<div data-bbox="112 448 264 465" data-label="Text">
<p>!!! tip "info"</p>
</div>
<div data-bbox="110 482 886 583" data-label="List-Group">
<ul>
<li>- Designing and implementing \*\*ORIN\*\*, the high-level language compiler targeting SASM</li>
<li>- Handles the full compilation pipeline: parsing, IR generation, and SASM output</li>
<li>- Exploring advanced features like expression optimization and static analysis</li>
</ul>
</div>
<div data-bbox="112 601 214 617" data-label="Text">
<p>!!! quote</p>
</div>
<div data-bbox="110 634 886 666" data-label="Text">
<p>\*"ORIN aims to make high-level programming compatible with low-level control."\*</p>
</div>
<div data-bbox="111 685 762 752" data-label="Text">
<p>[]
([https://en.wikipedia.org/wiki/C\\_\(programming\\_language\)](https://en.wikipedia.org/wiki/C_(programming_language))) []() []()</p>
</div>
<div data-bbox="112 769 243 786" data-label="Text">
<p>!!! quote ""</p>
</div>
<div data-bbox="81 821 238 838" data-label="Text">
<p>!!! info inline end ""</p>
</div>
<div data-bbox="112 873 253 890" data-label="Text">
<p>!!! danger ""</p>
</div>
<div data-bbox="154 905 763 924" data-label="Text">
<p>[Soham-Metha/virex](<https://github.com/Soham-Metha/virex>)</p>
</div>

!!! info inline end ""

!!! danger ""

[Soham-Metha/virex](<https://github.com/Soham-Metha/virex>)

```
<br>[GitHub Issues](https://github.com/Soham-Metha/virex/issues)
<br>[GitHub Discussions](https://github.com/Soham-Metha/virex/discussions)
<br>[CONTRIBUTING.md](../CONTRIBUTING.md)
<br>[roadmap](roadmap.md)
👉 Contact & Community
!!! warning ""
```

Use the links above to explore the repository, report issues, join discussions, contribute, or follow the project's development roadmap.

## 🙏 Acknowledgments

We gratefully acknowledge the creators and communities that inspired and supported this project.

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### 🎓 Educational Inspiration

Thanks to these amazing educators for making compilers and systems programming approachable:

- [Tsoding](#)
  - [Dr. Jonas Birch](#)
  - [Low Byte Productions](#)
  - [Cobb Coding](#)
- 

### 🔧 Ecosystem & Tools

We're grateful to the broader open-source ecosystem, especially the communities around:

- **Language tooling**
- **Assembler and VM design**

Their designs served as flexible blueprints and points of motivation.

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### 👥 Early Supporters

Shout-out to early testers, friends, and curious peers who:

- Tried our earliest builds
  - Gave thoughtful feedback
  - Helped us debug the impossible
- 

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