

!!! info inline end ""

```
<figure markdown="span">
  ![Image](assets/credits.png)
  <figcaption>Active Maintainers/Creators</figcaption>
</figure>
!!! 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="110 415 732 465" data-label="Text">
<p>> **Role**: Compiler Engineer – ORIN <br>
> **Modules Owned**: ORIN Compiler (WIP), Custom Hashtable Implementation</p>
</div>
<div data-bbox="112 483 264 500" data-label="Text">
<p>!!! tip "info"</p>
</div>
<div data-bbox="110 517 886 617" data-label="Text">
<p>- Designing and implementing **ORIN**, the high-level language compiler targeting SASM<br>
- Handles the full compilation pipeline: parsing, IR generation, and SASM output<br>
- Exploring advanced features like expression optimization and static analysis</p>
</div>
<div data-bbox="112 635 214 651" data-label="Text">
<p>!!! quote</p>
</div>
<div data-bbox="112 669 849 700" data-label="Text">
<p>> **"ORIN aims to make high-level programming compatible with low-level control."**</p>
</div>
<div data-bbox="112 719 762 786" 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="112 803 243 820" data-label="Text">
<p>!!! quote ""</p>
</div>
<div data-bbox="81 855 238 872" data-label="Text">
<p>!!! info inline end ""</p>
</div>

```
!!! 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 ""
```

## 🙏 Acknowledgments

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

- **Educational Inspiration:**

[Tsoding](#), [Dr. Jonas Birch](#), [Low Byte Productions](#), [Cobb Coding](#) for their deep dives into compilers, virtual machines, and systems programming.

- **Ecosystem & Tools:**

The open-source communities around the **JVM**, and **language tooling** landscape, for providing extensible blueprints and motivation.

- **Early Support:**

Friends, testers, and curious peers who gave feedback during the early stages of development.

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