

# Shivang Dixit

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## About me!

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I'm a dedicated Rust developer with 6 months of active experience in the **Web3 and DeFi** ecosystems. Passionate about crypto and the transformative potential of decentralized technologies, I thrive on building efficient, secure, and innovative solutions. With a strong focus on leveraging Rust's performance and safety, I aim to contribute meaningfully to the future of blockchain and decentralized finance, creating tools and platforms that empower communities worldwide.

## Technologies!

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- Languages : Rust, Python , Solidity , GO.
- Frameworks : *Leptos*, *Pytorch*, *Ink!*, *Geth*, *Tailwindcss*, *Rocket*, and *Tokio*.
- Databases : Postgres , SQL , MongoDB , ChromaDB.
- Tools : Docker, Git, GithubActions, AWS, Kafka, Grafana.

## Experience

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**Security Engineer Intern**, Statemind Blockchain Security Dec 2024 – Feb 2025

- Focus on audits, preventing reentrancy attacks, handling arithmetic errors, and implementing access control.
- Testing is critical, as deployed contracts are immutable.
- Built on smart contracts, liquidity pools, and oracles for trustless financial operations.

**Software Engineer Intern**, Microsoft – Redmond, WA Feb 2023 – Aug 2025

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from  $\mathcal{O}(n^2)$  to  $\mathcal{O}(n \log n)$
- Created a test case generation tool that creates random XML docs from XML Schema
- Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts

## Projects

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**Symmetric Cryptography** [github.com/name/repo](https://github.com/name/repo)

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

**Synchronized Desktop Calendar** [github.com/name/repo](https://github.com/name/repo)

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

**Custom Operating System** 2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

## Education

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**Institute of Management and Technology Gwalior**, B.tech in Artificial Intelligence and Machine learning. Sept 2022 – May 2026

- **Coursework:** Deep Learning, Machine Learning, Operating Systems.