

Nishant Agarwal

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EDUCATION

Bennett University

Bachelor of Technology in Computer Science Engineering; CGPA: 8.86/10

India

Oct 2024 – Jul 2028

EXPERIENCE

Web3 Blockchain Developer Intern

Mar 2026 – Jul 2026

Digital South Trust

India

- Built backend modules and transaction workflows for Crypto Suraksha, a production Web3 safety platform.
- Designed and shipped News Portal REST APIs with request validation, structured errors, and Express.js.
- Debugged production request failures and hardened error paths before release.
- Owned feature delivery end-to-end: requirements, implementation, testing, and production handoff.

SELECTED OPEN SOURCE CONTRIBUTIONS

NomicFoundation/hardhat — Merged PR #8464

- Resolved configuration variables from `process.env` before plugin hooks (including keystore), with unit tests for hook short-circuiting.

hyperlane-xyz/hyperlane-monorepo — Merged PR #9181

- Hardened message decoding to avoid panics in `HyperlaneMessage::from` on malformed multi-chain payloads.

FilOzone/pdp — Merged PR #287; filecoin-services #566

- Emitted `PiecesScheduledForRemoval` in PDP and updated PDPVerifier ABI/event wiring across the Filecoin services stack.

mastra-ai/mastra — Merged PRs #20487, #20518

- Prevented declined tools from executing; reused terminal nested snapshots to avoid redundant agent-state recomputation.

WalletConnect/walletconnect-monorepo — Merged PR #7302; wevm/viem #4903

- Added EventEmitter `@types/node` annotations (WalletConnect); fixed ESM `_types` package generation for NodeNext (viem).

PROJECTS

Krydo | TypeScript, Ethereum, ZKP | [GitHub](#) | [Live](#)

Feb 2026 – Apr 2026

- Built privacy-preserving identity via 6 sigma-protocol ZK proofs over Pedersen commitments; 154 unit tests; 3 Sepolia contracts; W3C VC export.
- Hybrid trust model: on-chain credential hashes as source of truth; Firestore as the query layer; SIWE auth.

BlockForge (LabEval) | Solidity, IPFS, React | [GitHub](#) | [Live](#)

Sep 2025 – Jan 2026

- OpenZeppelin RBAC assessment contracts; IPFS CIDs on-chain (~92% storage cut); Gemini-assisted grading; NetCrypt 2026 accepted paper.

CivicSense | Solidity, Supabase, Gemini | [GitHub](#) | [Live](#)

Dec 2025 – Feb 2026

- 3-step on-chain civic lifecycle with hybrid Supabase/Sepolia storage, Gemini triage, and 12-page citizen/admin/org portals.

RESEARCH

BlockForge: A Blockchain-Based Decentralized Platform for Transparent Academic Assessment —

Accepted, 4th International Conference on Networks and Cryptology (NetCrypt 2026); Conference Presentation, Oct 2026.

ACHIEVEMENTS

- Production open-source contributions merged into Hardhat, Hyperlane, FilOzone, Mastra, WalletConnect, and viem.
- Finalist, LNMHacks 8.0 (Top 30 / 150+ teams); Top 20, Tech Triad Hackathon, IIT Kharagpur (Kshitij 2026).

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Solidity, Python, Rust, C++, SQL

Backend / AI: Node.js, Express.js, REST APIs, Zod, JWT, agent tooling (Mastra)

Blockchain: Ethereum, Hardhat, Ethers.js/viem, Hyperlane, Filecoin PDP, ZK proofs, IPFS, WalletConnect

Frontend: React, Vite, Tailwind CSS, shadcn/ui

Databases: PostgreSQL (Supabase), Firestore

Tools: Git, GitHub Actions, Vitest

Core CS: Data Structures & Algorithms, Cryptography, Distributed Systems