

# Ayush Popat

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## SUMMARY

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Full-stack software engineer with production experience building web applications using TypeScript, JavaScript, React, Next.js, Node.js, Express.js, PostgreSQL, and Prisma ORM. Shipped 80+ reviewed pull requests at a product startup and delivered end-to-end applications across internships, client work, and hackathons.

## EDUCATION

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**The LNM Institute of Information Technology**  
*Bachelor of Technology in Computer Science & Engineering*

Jaipur, Rajasthan  
Aug 2023 - May 2027 (*Expected*)

## EXPERIENCE

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**Flexzistay**  
*Software Development Intern*

Sep 2025 - Dec 2025

- Authored 80+ reviewed pull requests across the Next.js frontend, admin dashboard, and Node.js backend; owned booking and pricing logic with deterministic validations and fallback strategies that prevented incorrect charges.
- Implemented booking flows with optimistic concurrency control, refactored the media upload pipeline, built responsive Tailwind CSS components, and improved production observability.

**Afterink Studio**  
*Freelance Full-Stack Developer*

Aug 2025 - Sep 2025

- Designed and delivered responsive, performance-optimized full-stack web applications for multiple clients; managed delivery from component architecture and REST API integration through Vercel deployment.

**Blok Capital**  
*Protocol Contributor*

Feb 2026 - Present  
*Cohort #1*

- Built TypeScript backend orchestration services, factory and registry workflows, and governance tooling for an onchain wealth management protocol as part of Blok Capital's inaugural cohort.

## OPEN SOURCE CONTRIBUTIONS

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- **OpenCut** – Contributed media preview, editor user experience improvements, and performance fixes in a production React and TypeScript codebase with 44,000+ GitHub stars.
- **Jenkins and libp2p** – Built parameter-aware next-execution tooling for Jenkins and added dial fallback to peer routing in libp2p.

## PROJECTS

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**OhMySwarm** (*Next.js, Node.js, TypeScript, LangGraph, x402 Payments, Zerion API*)

2026

- Built a full-stack multi-agent web application with a Next.js frontend, Node.js orchestration backend, LangGraph coordination, per-invocation micropayment billing, and AES-encrypted session management. Demo: ohmyswarm.vercel.app

**WandryFi – Travel-to-Earn dApp** (*Next.js, Express.js, Solidity, ERC-721, REST APIs*) – **1st Place**,  
**Monad Blitz (\$500)**

Aug 2025

- Built a full-stack travel-to-earn application with a Next.js frontend, Express.js REST API backend, off-chain journey verification, and relayer-backed gasless transactions. Demo: wandry-fi-monad-hack-omega.vercel.app

**Commit Protocol** (*Next.js, Node.js, Gemini AI API, Discord.js, Solidity, Foundry*)

2025

- Built a full-stack escrow application with a Next.js frontend, REST API backend, Gemini AI milestone proof validation, and Discord.js notifications. Demo: mnee-commit.vercel.app | GitHub: github.com/ayush18pop/mnee-commit

## SKILLS

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**Languages and Core CS:** TypeScript, JavaScript, Python, Solidity, Java, C, Data Structures and Algorithms, Problem Solving  
**Frontend:** React, Next.js, Tailwind CSS, HTML5, CSS3, Responsive Web Design  
**Backend:** Node.js, Express.js, REST APIs, API Integration, Authentication, Optimistic Concurrency Control  
**Data and DevOps:** PostgreSQL, Prisma ORM, Firebase Firestore, MongoDB, Git, GitHub Actions, Docker, Vercel, CI/CD  
**Supplementary Blockchain:** Solidity, Hardhat, Foundry, OpenZeppelin, Ethers.js, Wagmi

## ACHIEVEMENTS

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**Monad Blitz** first place and \$500 prize (Aug 2025) | **Synaphack 3.0** fifth place, top 0.5% of 850+ participants (Aug 2025) | **Springer LNNS** InfluenceRank accepted at SmartCom 2026 | **Solved 300+ Data Structures and Algorithms problems** across coding platforms