Sunanda Samanta

Software Engineer

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○ https://github.com/sunanda35   🔗 https://sunanda35.github.io

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EXPERIENCE

Software Engineer, *Perpetuum Innovations Pvt. Ltd(Reve)*   07/2024 – Present
Gurugram
- Architected and developed the complete backend infrastructure using microservices architecture.
- Built an end-to-end, highly scalable real-time chat system.
- Designed robust database schemas and APIs to support rapid startup growth and cross-platform mobile functionality.

Full-Stack Developer, *VebHolic Pvt. Ltd.*   09/2021 – 07/2024
Punjab
- Engineered complex full-stack features for a scalable SaaS platform
- Designed and integrated an LLM-powered RAG system, enabling users to seamlessly query and analyze their platform data.

SKILLS

Languages
- TypeScript, JavaScript, Rust, Python, Java, Dart

Frontend & Mobile
- React.js, Next.js, Angular.js, Flutter, HTML5, Tailwind CSS

Tools & Testing
- Git, Jest, Mocha, CI/CD Pipelines

Backend, Cloud & DB
- Node.js, Express.js, Spring Boot, GCP, AWS, PostgreSQL, ArangoDB, MongoDB, Firestore

Web3 & Architecture
Solana, Polygon, MEV Bots, Flash Loans, Microservices, REST APIs

PROJECTS

High-Frequency MEV & Arbitrage Bot
High-performance on-chain arbitrage system engineered for sub-second smart contract execution, advanced flash loan management, and MEV extraction.

GIF-VPN ⧉
Experimental networking project demonstrating custom routing implementations and tunneling concepts.

DevUtils ⧉
Privacy-first suite of developer utilities built with a zero-retention, purely client-side processing architecture.

Infinite-GIF ⧉
Open-source media processing utility focused on optimized, continuous GIF rendering and generation.

EDUCATION

B. Tech, *University of Engineering and Management, Jaipur*   07/2018 – 05/2022
CGPA: 8.7