

# PIYUSH SHARMA

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## Education

**SRM Institute of Science and Technology (9.46 CGPA)**

**May 2023 – June 2027**

*Bachelor of Technology in Computer Science and Engineering*

*Delhi-NCR*

## Projects

**Kiranavyapar** | *Next.js, React, Typescript, Supabase, Google Auth, Tailwind CSS, Vercel*

**November 2025**

- Built a full-stack B2B e-commerce platform using Next.js 16, TypeScript, and Supabase, implementing user authentication with approval workflows, real-time inventory management, and an admin dashboard for managing users, products, and orders with role-based access control.
- Developed a dynamic bundle pricing system with pack-based discounts that automatically calculates optimal pricing based on quantity tiers, integrated into a React Context-managed shopping cart with real-time price updates and discount calculations.
- Implemented automated order processing with PDF invoice generation using React PDF, email notifications via Resend API, and order lifecycle management (pending → confirmed → processing → shipped → delivered) with stock updates and cancellation handling.
- Created a responsive product catalog with advanced search, multi-level category filtering, image galleries, and product management features, supporting multiple images per product, SKU tracking, and SEO metadata, all integrated with Supabase storage for scalable image hosting.

**prynt - Command-line productivity logger** | *Rust, SQLite, CLI, Developer Tooling*

**July 2025**

- Developed a cross-shell CLI tool in Rust that logs terminal commands with timestamps and metadata, supporting bash, zsh, and fish shells.
- Designed and implemented custom command modules like prynt top, summary, and stats to analyze developer workflows and boost terminal productivity.
- Integrated fast and lightweight storage using SQLite, enabling real-time querying, per-project summaries, and pattern-based command history search.
- Achieved **800+ downloads** on crates.io; streamlined shell onboarding and privacy-aware local logging for secure and frictionless use.

**mood-msg – Mood-Based Git Commit Generator** | *Rust, Git Hooks, Local LLM (Ollama), CLI*

**July 2025**

- Created a Rust-based CLI tool that generates witty, sarcastic git commit messages based on user mood using local LLMs (via Ollama) or a JSON fallback.
- Implemented global Git hook integration to allow `git commit -m "mood-msg - jmoodj"`, streamlining dev workflows with expressive version history.
- Designed a robust dual-engine architecture: uses local inference if available, else gracefully falls back to an editable mood-based message DB.
- Garnered **450+ downloads** on crates.io; prioritized developer experience with single-command setup, colorized output, and extensible fallback logic.

## Technical Skills

**Languages:** Rust, Solidity, Python, TypeScript, JavaScript, C/C++, SQL, Bash

**Blockchain:** Solana (Anchor), Polygon, Ethereum, MetaMask, Phantom, smart contracts

**Developer Tools:** VS Code, Git, Github, Cargo, Linux, Vercel, Canva, Local LLMs

**Technologies/Frameworks:** React, Next JS, Tailwind CSS, Express JS, Node JS

**Databases:** SQLite, MongoDB (basic), JSON-based local stores

## Achievements

- Co-founded **Genesis**, a Web3 developer community at SRMIST, Delhi-NCR, aimed at onboarding students into blockchain development.
- Selected as a **Wormhole India Fellow**, gaining hands-on mentorship in cross-chain protocol development.
- **Finalist** at **Smart India Hackathon 2023 (SIH)** and **HackIndia 2024**, competing among top national talent.
- Secured **2nd place** at HashHacks Hackathon at DU for building GenesisNow, a decentralized password manager using Polygon and Solidity.
- Built and published Prynt, a Rust-based terminal productivity logger, with **800+ downloads** on Crates.io.
- Developed mood-msg, a mood-based git commit CLI tool, with **450+ downloads** on Crates.io.