

TUSHAR PAMNANI

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Technical Skills

Programming Languages: Rust, Anchor, SorobanC, C++, Python, HTML, CSS, JavaScript

Technologies/Frameworks/Libraries: Next.js, React Native, Supabase, Firebase, Flask, NumPy, Pandas, Matplotlib, Scikit-learn, Hugging Face, Blockchain, AI Agents, Prisma

Tools and Utilities: Git, GitHub, Figma, Google Colab, PostgreSQL, MongoDB, Nginx, Docker, Postman, Supabase, Firebase

Skills: Technical Writing, Developer Education, Community Building, API Documentation, Collaboration, Innovation, System Design, API Testing

Education

Shri Ramdeobaba College of Engineering and Management, Nagpur

November 2022 - 2026

Bachelor of Technology in Data Science CGPA - 8.37

Nagpur, Maharashtra

Content Creation & Developer Education

- Authored **40+ technical blogs** including comprehensive series: **12-part Rust for Beginners**, **10-part Web3 Fundamentals**, and **10-part Web Development series**, reaching 1000+ developers monthly with educational content.
- Created official **JSON RPC API documentation** for Shardeum blockchain, improving developer onboarding experience and reducing integration time for new developers.
- Published educational content across **blockchain, AI, and web development** domains, establishing thought leadership in multiple technical areas and contributing to developer ecosystem growth.

Open Source Contributions

Alchemy | Fixed incorrect usage of **AlchemyProvider** in documentation examples by adding the `.providers` namespace, improving developer onboarding. (PR #373)

Story Protocol | Updated initialization instructions to recommend only **yarn**, resolving dependency issues with npm and pnpm in current packages. (PR #19)

Projects

BitmorDCA — Stack Bitcoin Everyday | *Next.js, TypeScript, Solidity, Uniswap, Farcaster* | [Visit Website](#)

- Built during **Base Fellowship 3.0**, an automated Bitcoin accumulation **mini app using Farcaster's Minikit SDK**, with **Next.js**, enabling retail users and creators to adopt disciplined, gamified saving strategies.
- **Problem solved:** inconsistent savings and high entry barriers → implemented streak rewards, penalty-backed commitments, milestone-based BTC exposure, and “dust-to-BTC” portfolio sweeps.
- Engineered modular **Solidity contracts** for streak multipliers, milestone unlocks, and penalty-reward logic while optimizing gas efficiency.
- Integrated **market-aware DCA** logic using funding rates, Fear and Greed Index, and exchange flows via oracles.
- Delivered a **fitness-app-style UX** with progress trackers, streak indicators, and milestone visualizations to improve engagement.

Miko - Swap Privately | *Next.js, TypeScript, Anchor, Jupiter* | [Visit Website](#)

- Developed **Miko Vault**, a privacy-focused DeFi platform on **Solana**, enabling **secure vault management** and **private token swaps** using temporary wallets and PDA-based architecture.
- Integrated the **Jupiter v6 API** for real-time token routing and pricing, implementing **MEV protection, slippage management, and priority fee optimization**, ensuring efficient and secure swaps.
- Designed a **three-tier architecture** (Anchor smart contracts, React + TypeScript frontend, Node.js relayer service) with auto-cleanup and encrypted storage, leading the project to win the **Namaste Jupiterse Hackathon**.

Solana Escrow | *Next.js, Tailwind CSS, Anchor* | [Visit Website](#)

- Built a **Solana-based escrow application** using **Anchor framework** and **React**, enabling trustless token exchanges between parties with PDA-based account security.

- Implemented **deposit, approve, and withdraw instructions** with on-chain state validation to ensure **atomic and tamper-proof transactions**.
- Designed a **responsive frontend** with wallet integration, allowing users to seamlessly create and interact with escrow contracts on **Solana Devnet**.

Speakeys - Based Mini App | *Next.js, TailwindCSS, Farcaster Minikit* | [Visit Website](#)

- Developed a **Farcaster mini app** for **typing speed testing** using **@farcaster/minikit-sdk**, delivering seamless integration with the Farcaster social protocol.
- Built a responsive **Next.js frontend** styled with **Tailwind CSS**, ensuring smooth user experience across devices with real-time performance tracking.
- Implemented **interactive typing challenges** with accurate speed calculation and results display, showcasing decentralized app capabilities on the Farcaster ecosystem.

Experience

GasyardFi — Full Stack Developer

Aug 2025 – Sept 2025

- **Built NFC-powered “Dope Cards” mobile app from scratch** using **React Native, Turnkey, and PostgreSQL**, enabling participation in Movement Labs campaigns at **KBW and Token2049**.
- Designed and implemented a **seamless UI/UX** for campaign onboarding, optimized for reliability in live event environments with an expected **2.5k–3k users**.
- Developed and integrated **custom APIs for authentication and campaign logic**, extending beyond Turnkey’s SDK to support event-specific requirements.
- Collaborated with the CTO to rapidly prototype, test, and deploy a production-ready app under tight event deadlines.

DexGrator.xyz — Founder & CMO

Sept 2024 – Dec 2024

- Built and launched Solana’s first **multi-swap platform** with built-in **MEV protection**, handling \$2500+ in transactions with **150+ beta users**.
- Created technical documentation and developer resources, establishing the platform’s developer community and improving user onboarding experience.

Central DAO — Partnerships Head

Jan 2024 – Jan 2025

- Closed 5+ strategic partnerships for the India Tour, securing \$5000 in sponsorships from Base, Nibiru Chain and many more
- Led the planning and execution of 15+ Blockchain awareness events, optimizing participant engagement tactics that resulted in significant increase in social media engagements for **Push Protocol, Base, Farcaster**.

Developer Relations & Community Engagement

- Organized a **4-week Stellar India cohort** in Nagpur, teaching **Rust and Soroban** to 50+ learners, resulting in **10+ projects shipped** by attendees and establishing local blockchain developer community.
- Conducted a **1-day IRL Build-a-thon** for Shardeum (**Payfi Minihack**), where participants shipped **10 working projects in 5 hours**; authored custom **JSON RPC API documentation**. [\[View Docs\]](#)
- Delivered **20+ workshops and sessions** across India for ecosystems like **Story Protocol, Alchemy, Farcaster, Router Protocol, and Solana**, engaging **1000+ developers** and fostering ecosystem growth.
- Current **Alchemy Ambassador** and **Turbin3 (Solana Talent Engine)** participant, contributing to ecosystem growth and developer education initiatives.
- Enrolled in **Atrium Academy’s Uniswap v4 Hook Incubator**, specializing in advanced DeFi protocol development and contributing to cutting-edge DeFi innovation.