

Abhinav Patra

patraabhinav12@gmail.com | abhinavpatra.tech | linkedin.com/in/abhinavpatra1st | github.com/abhinavpatra

SUMMARY

Proficient in React, Next.js 15, Node.js, TypeScript, AWS (EC2, S3, CloudFront, Route 53), Azure, DigitalOcean, Docker, Kubernetes, and CI/CD pipelines. Experienced with Solana, Ethereum, and Solidity smart contracts.

EDUCATION

National Institute of Technology, Manipur <i>B.Tech Computer Science & Engineering CGPA: 8.1/10</i>	Manipur, India 2023 – Present
Delhi Public School, Bokaro (CBSE) <i>Class XII 90%</i>	Jharkhand, India 2020 – 2022
St. Paul's School, Rourkela (ICSE) <i>Class X 96.4%</i>	Odisha, India 2008 – 2020

EXPERIENCE

Centrion <i>Lead Frontend Developer</i>	Remote Jun 2024 – Aug 2024
<ul style="list-style-type: none">Built responsive React + Recoil web app; reduced page load time 40% via code splitting, lazy loading & memoizationLed cross-functional team initiatives using Agile methodologies and improving user retention by 60%	
iit.fun <i>Full Stack Developer</i>	Remote Jun 2024 – Jul 2024
<ul style="list-style-type: none">Developed AI-powered pitch deck analyzer with real-time audio recording, speech-to-text transcription, and live WebSocket updatesImplemented client-side routing, global state management, and ML model integration using Node.js and REST APIs	
Buildspace Sage <i>Software Developer – Builder Program</i>	San Francisco, CA (Remote) Jun 2024 – Aug 2024
<ul style="list-style-type: none">Built gamified React Native fitness app; increased DAU 45% via achievement-based gamification	

PROJECTS

FormFiller [Code] <i>Next.js 15, TypeScript, Chrome Extension API, Vercel</i>	
<ul style="list-style-type: none">Chrome extension helping students to quickfill applications on Internshala, Naukri, and other portalsEncrypted local storage for personal info, resume links, and project descriptions; zero server dependency ensures sub-100ms fill time	
Antisocial [Code] <i>React Native, Expo, TypeScript, Next.js, PostgreSQL, JWT</i>	
<ul style="list-style-type: none">Mobile app tracking Android screen time via native UsageStatsManager API; gamified leaderboards with coins, badges & streaks incentivize reduced usageThree-tier architecture: React Native + Expo frontend, Next.js App Router backend, PostgreSQL; JWT auth with ensureUser() idempotent provisioning	
Aganya AI [Code] <i>Next.js 15, TypeScript, ML APIs, Tailwind CSS, Vercel</i>	
<ul style="list-style-type: none">Co-built AI SaaS platform for market demand forecasting with real-time sales dashboards, regional map views, and economic metricsIntegrated AI chatbot (Bhrigu) for natural-language data queries, scenario simulations with variable adjustment, and PDF report export	
Eco-Pulse [Code] <i>React, Node.js, Express, MongoDB, WebSockets, Twilio, Google GenAI</i>	
<ul style="list-style-type: none">Smart waste management platform connecting citizens, cleaning teams & municipalities; real-time GPS tracking, Haversine-based route optimization, multi-role RBAC dashboardsTwilio SMS task alerts, Cloudinary image uploads for dump reports, PrakritiAI chatbot (Gemini 2.5 Flash) with exponential backoff retry logic	
Connect-Send [Code] <i>Next.js 15, Solana Web3.js, Wallet Adapter, TypeScript</i>	
<ul style="list-style-type: none">Multi-wallet Solana interface with mainnet/devnet, real-time balance validation, and priority fee optimization	
Auralytics [Code] <i>Next.js 15, ML APIs, Redis, ISR, Vercel</i>	
<ul style="list-style-type: none">Serving 1,500+ users; sentiment analysis & trend detection via ML APIs; improved cache hit rate from 20% to 88% using ISR and Redis	

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Rust, Go, Solidity
Frontend: React.js, Next.js 15, React Native, Redux, Recoil, Tailwind CSS, Framer Motion, Three.js
Backend: Node.js, Express, FastAPI, Hono, BunJS, REST APIs, WebSockets, Queues/Pub-Sub, Microservices
Databases: PostgreSQL, MongoDB, Prisma ORM, Drizzle ORM, Redis
Cloud: AWS (EC2, S3, CloudFront, Route 53, ECS, ASGs), Azure, DigitalOcean, Vercel, Cloudflare Workers
DevOps: Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins), Nginx, Reverse Proxies, Bash/Terminal, Linux
Blockchain: Solana Web3.js, Ethereum, Wallet Adapter, Solidity Smart Contracts, DeFi, EVM
Practices: Agile/Scrum, Test-Driven Development, Git, System Design, Monorepo Architecture