PUSHKAR DEV

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Portfolio

EDUCATION

Delhi Technological University
Automation Engineering B. Tech   August 2023 - Present

EXPERIENCE

Freelancing | Full-Stack Web Developer
- Specialized in **Next.js, Tailwind CSS, and Firebase**, delivering fast, responsive UIs and scalable backend architectures
- Developed secure, production-ready features including:
- Authentication systems with protected routes and role-based access
- Payment integrations using **Stripe** and **Razorpay**
- Booking systems with calendar sync and automated session handling
- Launched full-scale platforms such as:
- E-commerce applications with product management, cart, and checkout flows
- Personal portfolio platforms with custom dashboards and session booking
- Content-driven blogs featuring Markdown editors and CMS-like controls
- Managed complete client lifecycles from requirement gathering and wireframing to deployment and post-launch optimization
- Deployed and hosted applications on **Vercel** and **VPS**, using **Nginx** reverse proxies and **Lets Encrypt SSL** for secure delivery
- Engineered backend logic using **Firebase Functions** and **Firestore** with real-time data synchronization

DTU Times | Backend Engineer   Delhi,India | August 2024 - Present
- Spearheaded backend development for **DTU Times**, the official student-run media publication of DTU
- Refactored and modularized a legacy codebase to improve maintainability and performance of core services
- Designed and implemented dynamic content systems to manage editorial articles and archives
- Built REST APIs to support publication workflows, contributor

SKILLS

Programming Languages:	C++, javascript, C, python
Libraries/Frameworks:	REACT.js, Next.js, Bootstrap, Tailwind CSS, Node.js, Prisma
Tools / Platforms:	VS CODE, Github, Figma, Git
Databases:	MongoDB, PostgreSQL, SQLite

PROJECTS / OPEN-SOURCE

TradeCO | Link   *Next.js, Reddis, PostregSQL, Prisma*
- Built a production-inspired testnet crypto exchange simulating real-world trading workflows
- Implemented authenticated order placement with asynchronous execution using Redis
- Streamed real-time market data and order updates via WebSockets
- Designed a decoupled backend architecture separating order intake, execution, and state management
- Persisted users, orders, and trades using PostgreSQL with Prisma ORM
- Focused on scalability, concurrency handling, and system design over CRUD patterns

Anantya   *Linux, Nginx, PM2, Docker*
- Built and deployed **Anantya**, a fully self-hosted VPS on personal hardware, used as a production-grade platform for hosting full-stack applications
- Assembled and configured the complete system stack from scratch, including OS installation, networking, firewall rules, and secure remote access
- Configured **Nginx** as a reverse proxy for custom domain routing and secured traffic using **Lets Encrypt SSL**

- Deployed and managed **Next.js** applications with **PM2**, enabling zero-downtime restarts and automatic crash recovery
- Automated deployments using shell scripts and GitHub-based workflows for continuous updates
- Improved reliability and security through performance tuning, remote monitoring, and **Fail2Ban** for brute-force protection

Open Source Contributions | Link

OmegaUp
PHP, Vue.js, MySQL

- Enhanced frontend functionality and contributed to improvements in the Markdown rendering engine
- Worked within a large-scale codebase, handling dynamic component injection and Vue integration
- Collaborated with maintainers through code reviews, testing, and merged pull requests

Kando
TypeScript, Bootstrap

- Improved UI/UX by adding interactive tooltips and refining accessibility and user interaction flows

GirlScript Summer of Code (GSSOC) 2024
HTML, CSS, Open Source Workflow

- Contributed to multiple open-source repositories, improving frontend design consistency and documentation quality
- Followed structured open-source workflows involving issues, pull requests, and maintainer feedback

Algorithmic Problem Solving | Link

- Strong proficiency in core data structures including arrays, linked lists, stacks, queues, trees, heaps, hash maps, graphs, and tries
- Experienced in designing and analyzing algorithms involving recursion, dynamic programming, greedy methods, backtracking, and graph traversal (DFS/BFS, Dijkstras)
- Solved **300+ problems** on platforms such as **LeetCode**, **GeeksforGeeks**, and **InterviewBit**, with a focus on efficiency and edge-case handling
- **LeetCode Knight**, with consistent performance in contests and rated problem-solving challenges
- Regularly participate in coding contests and timed challenges to improve speed and accuracy

CERTIFICATIONS

- Problem Solving - **HackerRank**
- CSS - **HackerRank**
- Javascript - **HackerRank**
- Open Source - GSSOC.