

Priyanshu Patel

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📁 portfolio in priyanshu003 🐙 devopriyanshu

Education

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| VIT Bhopal University, Sehore (M.P.) <i>B.Tech Computer Science and Technology; CGPA: 8.47/10</i> | <i>Oct 2022 – Jun 2026</i> |
| Dynamic Public School Bhopal (M.P.) <i>Class XII PCM M.P. Board; Grade: 93%</i> | <i>2021</i> |
| St. Joseph's Sr. Sec. School, Pipariya (M.P.) <i>Class X CBSE Board; Grade: 93%</i> | <i>2019</i> |

Experience

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| React Native Developer Intern <i>Cufront HealthCare</i> | <i>Dec 2024 – Feb 2025</i> |
| <ul style="list-style-type: none">Contributed to a cross-platform healthcare mobile app built with React Native by delivering 12+ fully responsive screens using modular, reusable UI components for consistent design and faster rollout.Integrated 15+ REST APIs with secure authentication and structured state management, enabling real-time synchronization of patient and doctor data, reducing load times by 20%, and enhancing reliability.Collaborated with a 5-member cross-functional team of designers and backend engineers, applying scalable state architecture and clean API integration practices that cut feature delivery time by 25% and lowered post-release issues. | |

Projects

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| Comprehensive Wellness Platform — <i>React, Node.js, PostgreSQL, OAuth</i> | GitHub |
| <ul style="list-style-type: none">Designed a full-stack wellness platform connecting users with fitness experts, enabling consultations, wellness center discovery, and health tracking for 100+ users.Built a scalable backend with Node.js + PostgreSQL, integrating Cloudinary for media and optimizing queries, improving API response times by 35% under concurrent load.Integrated secure RBAC + OAuth authentication, React Query-based state management, and a responsive frontend, reducing page latency by 20% and enhancing retention. | |
| Multithreaded HTTP Proxy Server — <i>C, POSIX, Network Programming</i> | GitHub |
| <ul style="list-style-type: none">Engineered HTTP proxy server handling 400+ simultaneous connections using POSIX threads with semaphore-based connection pooling and mutex-synchronized operations, demonstrating advanced concurrent programming and resource management.Implemented zero-copy streaming architecture with comprehensive HTTP/1.1 protocol handling, advanced socket programming, and dynamic memory management for sub-millisecond response forwarding.Developed thread-safe LRU caching system with automatic eviction policies, achieving optimized request-response cycles through intelligent memory management and low-level system optimization. | |
| AI-Powered Browser Automation Agent — <i>Python, Playwright, OpenAI</i> | GitHub |
| <ul style="list-style-type: none">Developed an AI-driven browser automation agent that interprets natural language commands and executes web interactions autonomously.Architected seamless integration between Playwright web automation and OpenAI GPT models, enabling dynamic action sequences including element detection and navigation workflows.Delivered a fault-tolerant command parser with error handling and validation, achieving 95% task execution accuracy. | |

Technologies

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| Languages: C, C++, JavaScript, Python, SQL, HTML |
| Frameworks/Libraries: React.js, React Native, Next.js, Express.js, Node.js, React Query, Tailwind CSS |
| Tools/Technologies: Git, OAuth 2.0, PostgreSQL, MongoDB, Prisma, REST APIs, Cloudinary, OpenAI API, Playwright, Linux |