

Mohit Paddhariya

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🔗 github.com/mohitpaddhariya

Skills

AI & ML	LangChain, LangGraph, RAGs, AI Agents
Languages	TypeScript, JavaScript, Python, Java, SQL, PHP, C++
Backend	Node.js, Express.js, FastAPI, Laravel, RESTful APIs
Frontend	React, Next.js, Tailwind CSS, Bootstrap, HTML5, CSS3
Databases & Vector Stores	PostgreSQL, MySQL, MongoDB, Redis, Qdrant, FAISS, ChromaDB
DevOps & Cloud	AWS, Google Cloud, Azure, Docker, Git, CI/CD, Vercel

Experience

Full Stack & Gen - AI Developer <i>Cognitive Lab</i> 🔗	<i>Bengaluru, IN</i> <i>Jun 2025 – Present</i>
<ul style="list-style-type: none">Architected GitViz, a repository visualization platform (Next.js, FastAPI), reducing code comprehension time by 70% by generating interactive code graphs and providing an AI-powered chat interface.Developed features for VibeMotion, an AI video generation platform. Added Clerk authentication and refactored the Python backend to a modular FastAPI architecture which increased code readability and decreased development time.Engineered robust authentication systems using GitHub OAuth and Clerk JWTs; secured endpoints with rate-limiting and introduced a Bring-Your-Own-Key (BYOK) model for LLM integration.	
Full Stack Developer <i>Immersive Mobile Designs</i> 🔗	<i>Ahmedabad, IN</i> <i>Nov 2023 – Apr 2024</i>
<ul style="list-style-type: none">Architected full-stack solutions for 3 enterprise clients in e-commerce and logistics; achieved sub-200ms API response times and remediated 90% of vulnerabilities identified by a SonarQube audit.Developed a native Java-based Android application with a PHP backend, increasing daily active users to boost overall user engagement by 45%.Implemented pixel-perfect responsive web interfaces from Figma designs using Laravel Blade, Bootstrap, and CSS.	
Freelance Full Stack & Mobile Developer <i>Self-Employed</i>	<i>Remote</i> <i>Jan 2022 – May 2025</i>
<ul style="list-style-type: none">Delivered full-stack web solutions for businesses; developed a Laravel-based store management system (Bharat Provision Store) to digitize operations and built a PHP/MySQL product catalog (RS-DRILL) to drive B2B leads.Engineered two cross-platform mobile health apps (Sport-Sync, Foot-Lift) using React Native and Expo, enabling clinicians to perform digital assessments and generate PDF reports efficiently.Designed and launched a modern corporate portfolio website for an international export firm (Bhatter Exim) using Next.js and TypeScript.	

Open Source Contributions

- Apache Beam:** Increased code coverage for the `sql` package from 35% to 75% by adding comprehensive unit tests for configuration and option validation. ([PR #33711](#)) [🔗](#)
- Monkeytype:** Enhanced type safety and error handling by refactoring core JSON parsing to use schema-based validation (Zod) across multiple TypeScript files. ([PR #6207](#)) [🔗](#)
- Open Library:** Made full-stack contributions to improve performance; optimized frontend page load times by implementing lazy-loading for carousels with the Intersection Observer API, and extended the backend data pipeline with new SQL and shell scripts for Wikidata dumps. ([PR #10354](#)) [🔗](#), ([PR #10383](#)) [🔗](#)

Projects

PullPeek: AI-Powered Presentation Generator [↗](#) **Next.js, FastAPI, Gemini AI, MongoDB, Docker**

- Architected a GenAI tool that transforms GitHub Pull Requests into Slidev presentations using a multi-step Gemini pipeline, reducing technical demo preparation time by an estimated 80
- Designed a robust workflow with a detailed JSON context blueprint and planned for future enhancements like conversational, agent-based editing.

QuickDrop: P2P File Transfer App [↗](#) **React, Node.js, Express.js, WebRTC, Socket.io, Redis**

- Engineered a secure, privacy-focused P2P file transfer application using WebRTC for direct, high-speed data exchange, eliminating the need for cloud-based intermediaries.

ByteCode: Fullstack MERN Blogging Website [↗](#) **MongoDB, Express.js, React, Node.js, Editor.js**

- Built a full-stack blogging platform featuring a modern block-style editor, Google Authentication, dynamic user profiles, and a real-time notification system for comments and likes.

Film Fusion: A Movie Discovery & Playback Platform [↗](#) **Laravel, PHP, MySQL, REST API, Blade**

- Developed a full-stack movie platform with JWT authentication, Stripe API for subscriptions, content-based recommendations, and a complete admin panel for content and user management.

Education

P.E.S University

Bachelor of Technology in Computer Science

Aug 2024 – Expected 2027

- GPA: 7.31/10

R.K. University

Diploma in Computer Science

Jul 2021 – Apr 2024

- GPA: 9.35/10

Achievements

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- **Technical Head** of the Nexus Club at PES University - Mentored teams for a national-level hackathon and led the technical screening of projects; Receiving recognition from the CSE Department Chairperson for my contributions.
 - Awarded **Student of the Year (2022)** at R.K. University for outstanding academic performance and contributions to the university community.