

Mohit Paddhariya

✉ mohit.paddhariya@gmail.com ☎ +91 8401815038 🌐 mohitp.me in linkedin.com/in/mohit-paddhariya
🔗 github.com/mohitpaddhariya

Skills

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

Experience

Full Stack & Gen - AI Developer

Bengaluru, IN

Cognitive Lab 🔗

Jun 2025 – Present

- 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

Ahmedabad, IN

Immersive Mobile Designs 🔗

Nov 2023 – Apr 2024

- 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 Retrofit client for a legacy 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

Remote

Self-Employed

Jan 2022 – May 2025

- 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

- Developed an AI tool that converts GitHub Pull Requests into technical presentations using Gemini AI, reducing demo preparation time by 80% with features like chat-based editing and automated slide export.

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: 7.3/10

R.K. University

Diploma in Computer Science

Jul 2021 – Apr 2024

- GPA: 9.5/10

Achievements

-
- **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.