

PIYUSH YADAV

Kolkata — 📍 +91 6306867316 — piyushyadavrajjadav@gmail.com GitHub LinkedIn Portfolio Medium LeetCode

Product-focused Full-Stack Engineer with startup experience building scalable systems and AI-powered products. Delivered platforms for **20K+ users**, engineered **400+ APIs**, optimized services for **1000+ concurrent requests**, and shipped GenAI systems handling **5K+ requests/day**.

TECHNICAL SKILLS

Core Engineering: REST APIs, Auth Systems, Scalable Backend Design, Performance Optimization, System Design

Frontend: React, Next.js, Electron

Backend: Node.js, Express, Spring Boot

Databases: MySQL, PostgreSQL, MongoDB, Redis

AI / GenAI: Gemini API, LLM Integration, LangChain, RAG, Prompt Engineering

DevOps & Tools: Git, Docker, CI/CD Basics, Cloud Deployment

Languages: JavaScript, Python, Java, C++

EXPERIENCE

Alphaxine Solutions

Mar 2025 – Present

Software Development Intern — React, Next.js, Spring Boot, MySQL, Docker

Kolkata

- Owned end-to-end development of a production ERP (HR + CRM) serving **500+ employees**.
- Designed and maintained **400+ REST APIs** across enterprise workflows.
- Improved system scalability and data integrity by **40%** through better master-data design.

Gorjag Infotech Solutions

Jul 2025 – Sep 2025

Web Development Intern (Remote) — React, Next.js, Node.js, MongoDB

- Built **10+** frontend and backend modules for a large-scale platform.
- Improved UX and performance for **20,000+ active users**.

PROJECTS

DropFade — One-Time Secure File Sharing Platform

Next.js, Node.js, Redis, Cloudinary

- Engineered a privacy-first file sharing system where each file is accessible exactly once and permanently deleted after access.
- Designed secure, expiring-token based access flow to prevent re-downloads and unauthorized access.
- Integrated Redis caching and optimized I/O paths, reducing file access latency by **35%**.
- Built for high-concurrency usage and validated by **500+ users**; featured in **Top 20 on ProductHunt**.
- Live: dropfade.piyushyadav.me

CodeTrail — AI Career Guidance Platform

Next.js, Gemini API, Supabase, MongoDB

- Built an AI-powered platform that analyzes resumes and GitHub profiles to generate skill gaps and personalized learning paths.
- Designed an asynchronous AI pipeline for parsing, inference, and recommendation generation under burst traffic.
- Optimized backend flow, reducing end-to-end latency from **1.8s to 700ms**.
- Handled **5,000+ requests in 24 hours** post-launch, demonstrating production-grade scalability.
- Live: code-trail-dusky.vercel.app

Flowmora — Electron-Based Custom Browser

Electron, JavaScript

- Built a cross-platform desktop browser with tab management, navigation controls, and persistent sessions.
- Designed main-renderer IPC architecture for secure inter-process communication and lifecycle management.
- Implemented custom session handling on top of Chromium runtime and packaged the app for distribution.
- Release: GitHub

EDUCATION

Institute of Engineering & Management

B.Tech in Computer Science

2023 – 2027

Kolkata