

PIYUSH YADAV

Kolkata — +91 6306867316 — piyushyadavrajyadav@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

Kolkata

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

– 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

2023 – 2027

B.Tech in Computer Science

Kolkata