Piyush Yadav

Kolkata, West Bengal

📞 +91 6306867316   ✉ piyushyadavrajyadav@gmail.com

LinkedIn   GitHub   leetCode

Education

Institute of engineering and management **August 2023 - 2027**

Bachelor of Technology in Computer Science and Engineering *Kolkata, West Bengal, India*

Relevant Coursework: **Data Structures & Algorithms, Computer Networks, Operating Systems, Cybersecurity, Machine Learning**

Technical Skills

- **Languages:** C++, Python, Java, JavaScript, HTML/CSS
- **Web & Frameworks:** React.js, Next.js, Express.js, Node.js, Spring Boot, Flask
- **Databases:** MySQL, PostgreSQL, MongoDB
- **DevOps & Tools:** Git/GitHub, Docker, Kubernetes
- **Machine Learning:** Scikit-Learn, TensorFlow, NLP, LangChain

Experience

Alphaxine solutions **March 2025 – Present**

SOFTWARE DEVELOPMENT INTERN *KOLKATA*

- Developed a **full-scale ERP system** with HR and CRM modules using **React, Spring Boot, and MySQL**, serving 500+ employees and clients.
- Implemented **Master Data Configurations** for employees, departments, roles, and clients, improving system scalability and data integrity by **40%**.
- Designed **responsive dashboards** for HR and CRM, increasing reporting and workflow efficiency by **35%**.
- Optimized backend APIs for **10,000+ concurrent requests** and collaborated in **Agile/Scrum teams** to deliver maintainable, high-performance solutions.

Gorjag Infotech Solutions **jul 2025 – sept2025**

Web Development Intern *Remote*

- Developed **10+ frontend pages** and backend features for the **Zibbru Pet Ecosystem**, including **user data handling** and **e-commerce modules**.
- Worked across **React, Node.js/Express, and MongoDB**, gaining **end-to-end full-stack experience**.
- Improved site functionality and performance, supporting **~2,000+ active users**.

Projects

DropFade – Secure File Sharing Platform *(Next.js, Node.js, Redis, Cloudinary)*

- Engineered a secure file-sharing platform where each file is accessible only once, then permanently deleted.
- Integrated **Redis caching** to reduce file access latency by ~35% and support high concurrency.
- Used **Cloudinary** for cloud-based file handling, lowering storage overhead by ~20%.
- Featured in **Top 20 on ProductHunt**, with 500+ early users validating product adoption.

CodeTrail – AI-Powered Career Guidance Platform *(Next.js, GenAI (Gemini API), Supabase, MongoDB)*

- Built an AI-driven system to analyze resumes & GitHub profiles, generating skill gap insights and project suggestions.
- Implemented secure authentication and optimized backend queries, reducing response time from 1.8s to ~700ms.
- Integrated **GenAI models** to deliver recommendations with ~30% higher accuracy than rule-based methods.
- Achieved **5,000+ requests in 24 hours of launch**, ensuring scalability and strong user interest.