PRANJAL UPADHYAY

+91 7295061015 ⋄ Patna, India

Portfolio — LinkedIn — GitHub

SKILLS & ACHIEVEMENTS

- **Programming**: **C++ (426 LeetCode problems solved — Strong DSA)**, Python, SQL (Oracle, MongoDB), Java, JavaScript, TypeScript.
- **Tech Stack**: React, Next.js, Node.js, Express.js, RESTful APIs, **LLM Integration (OpenRouter)**, TensorFlow, Docker, **AWS (EC2, S3)**, Git, CI/CD.
- **Achievements**: **Patent Filed (ISL Translator - Level 3 Review)**; Solved 350+ competitive programming problems; Deployed 4+ full-stack solutions.

EDUCATION

Bachelor of Technology (CSE Core): VIT, Chennai — CGPA: **8.61** Expected 2026

- **Class 12th CBSE - 92.6%:** DAV BSEB 2022
- **Class 10th CBSE - 91.6%:** Radiant International School 2020

EXPERIENCE

Software Engineer Intern May 2025 – July 2025
National Informatics Centre (NIC), Patna *Government of India*

- Developed a bilingual Lightning Alert Dashboard using **Angular 17+** and **Next.js**, optimizing UI/UX for high-traffic public safety data visualization.
- Engineered secure microservices with **Node.js** and **JWT**; automated deployment via **GitHub Actions** to ensure high system reliability and performance.

Co-lead of Creative Department 2023 – Present
Enactus Club *VIT, Chennai*

- Led a 20-member cross-functional team, coordinating software campaigns and project delivery while maintaining a high **results-oriented work ethic**.
- Partnered with technical and non-technical stakeholders to deliver 3 major solutions under budget, fostering structured project management practices.

PROJECTS

Sign Language Translator (ISL, Patent Filed – Level 3 Review) [GitHub]

- Engineered a bi-directional bare-hand CV system (Gesture ↔ Text) using **TCN** for sequential learning, achieving **92% validation accuracy**.
- Integrated **Three.js** for 3D visualization; optimized for real-time inference and high-performance predictive modeling.

Code Explainer App (Generative AI & NLP) [GitHub] — [Live Demo]

- Architected an AI platform using **React, Next.js, and LLMs (OpenRouter)** to automate documentation and provide detailed algorithmic explanations.
- Delivered a low-latency GPT-style interface with **real-time data streaming** and session history to enhance developer productivity.

Clubify - Enterprise Workflow Management [GitHub] — [Live Demo]

- Built a full-stack platform with **Next.js** and **MongoDB** for role-based **workflow automation**, managing tasks and messaging for organizations.
- Implemented **data analytics dashboards** and JWT-secured APIs; deployed via Vercel to ensure scalable and reliable club operations.