

Pratik Kumar Singh

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LinkedIn GitHub LeetCode



EDUCATION

Heritage Institute Of Technology

2022 – 2026

B.Tech - Computer Science and Engineering (Data Science)

CGPA: 8.02 (till 6th sem)

EXPERIENCE

Dakshit Dolphin Designers Pvt. Ltd. (View Certificate)

July 2025 – Oct 2025

Software Development Intern

Remote

- Developed and optimized the **frontend architecture** of their legal consultation platform using **React.js**, **Tailwind CSS**, and supported **backend integration tasks** involving **Django** and **PostgreSQL** for seamless data handling.
- Built a functional **POC Voting App** and revamped their **apparel website's UI/UX** with **Framer Motion**, **React Context API**, and modular animations, improving overall performance by nearly **2.5×**.

PROJECTS

PrepAI | React.js, TypeScript, Tailwind CSS, Flask, Google Gemini API

May 2025

- Engineered an **AI-powered study companion** using the **Google Gemini API** to generate personalized algorithm cheat sheets with real-time content rendering.
- Built a scalable **frontend architecture** with **React.js + TypeScript** and optimized **Flask APIs** using **LRU caching** and **debounced search** for low-latency performance.

JobQuest | React.js, Vite, Tailwind CSS, Shadcn/UI, Supabase, Clerk, Zod

Jan 2025

- Developed a **full-stack job portal** using **React.js**, **Supabase**, and **Clerk**, enabling secure recruiter–candidate interactions with real-time data synchronization.
- Designed a responsive and scalable **frontend architecture** with **Vite + Tailwind CSS** and implemented data validation through **Zod** for reliable form handling.

CodeXpert | React.js, Tailwind CSS, Flask, SQLite, Recharts, Google OAuth

Apr 2025

- Developed a **full-stack intelligent coding platform** allowing educators to assign auto-generated coding tasks and monitor real-time student analytics.
- Built a dynamic **React.js and Flask** architecture with secure **Google OAuth authentication** and integrated interactive data visualizations using **Recharts**.

TECHNICAL SKILLS

Languages: C++, JavaScript (ES6+), Python, HTML5, CSS3

Frameworks: React.js, Tailwind CSS, Flask, Node.js, Express.js

Databases: MySQL, MongoDB

Tools & Platforms: Git, GitHub, Postman, AWS

Computer Science Fundamentals: Data Structures, Algorithms, Operating Systems, Object-Oriented Programming (OOP), Database Management Systems (DBMS), System Design (Basics)

POSITIONS OF RESPONSIBILITY

Google Developer Groups HITK | Outreach Lead & Core Team

Oct 2024 - Oct 2025

NooBuild | Community Lead

July 2024 - Present

ACHIEVEMENTS

- Winner at Rebase 01 Hackathon** - Secured **1st position** among **95+ competing teams** across India in a month long online hackathon organized by **GDSC IIIT Kalyani**. [Certificate]
- 2nd Runner Up at HackSpire 2024** - 12 hour offline hackathon organized by **FIEM ACM Student Chapter**, featuring **2000+ participants** across India. [Certificate]