Pratham Kumar

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Professional Summary

I am a B.Tech CSE student currently in my 5th semester, specializing in Full-Stack Development. I enjoy building real-world projects and have already developed several successful websites that strengthened my skills in both frontend and backend technologies. Alongside development, I am actively learning Cyber Security to deepen my understanding of secure coding, web protection techniques, and modern security practices. I'm driven by curiosity, continuous learning, and a strong desire to create impactful, reliable, and user-focused digital solutions.

Education

- Currently pursuing Bachelor of Technology at Invertis University (2023-2027), with a current CGPA of 7.9.
- Completed Higher Secondary (10th) in 2020 with a score of 80% from Sanskriti Public School (Balha more Areraj).
- Completed Senior Secondary (12th) in 2022 with a score of 70% from S.N.S College Motihari.

Skills

- Programming: Python, C, JavaScript, html,TypeScript.
- **Web Development**: FastAPI, REST APIs, React, WebSocket, JWT Authentication.
- Cybersecurity: PenTesting, Web Application Security, API Security Testing, Authentication & API Key Security, Vulnerability Assessment.
- Tools: Git, GitHub, VS Code.
- DevOps / Deployment / Cloud: Render, Railway, CI/CD Basics.
- Databases: MySQL, Firebase, Supabase.
- Soft Skills: Problem-Solving, Critical Thinking, Leadership, Team Collaboration, Adaptability, Work Ethic.

Experience

Full-Stack Developer & Web Security Specialist   May 2024 – Present
Freelancer
AI/ML Intern — AICTE × Google (Jul 2025 – Sep 2025)
Web Developer Intern — CodSoft (Jun 2025 – Jul 2025)
Web Development Trainee — Google × EduSkills × GDSC (Apr 2025 – Jun 2025)
Discipline Coordinator — Invertis University (Aug 2023 – Jun 2024)
Volunteer — Invertis University Job Fest (Apr 2024)

Remote

Projects

EduScheduler (SIH 2025 — Problem ID: 25028)
AI-powered timetable modification system built using **React, TypeScript, Vite, Tailwind, Node.js, Express.js, Firebase, and OpenAI**, featuring natural-language schedule editing, multi-role access, multilingual support, and secure authentication.

Crime Record Management Portal
A full-stack crime reporting system built with **React (MUI, Framer Motion, Recharts)** and **Spring Boot (JPA, Firebase Admin, MySQL)** featuring **role-based access, FIR management, secure Firebase authentication, and interactive analytics dashboards.**

Leadership & Awards

- **SIH Internal Hackathon (HackBhoomi)** — 4nd Position | Team Lead
- Lead a diverse team to develop an innovative tech solution under competitive hackathon conditions.
- Coordinated end-to-end project workflow including ideation, task distribution and final presentation.
- Leadership experience as **Discipline Coordinator**, managing student discipline and coordination.

Certifications

Certifications: Google Web Development (EduSkills & GDSC), AI-ML Virtual Internship (Google–AICTE), Cybersecurity Terminology, Cybersecurity Threat Landscape, Generative AI Skills, AI Productivity Hacks, Copilot for Excel & PowerPoint, Generative AI for Online Search.