

Prem Prasad Pradhan

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SUMMARY

Computer Science student with a strong interest in software development, AI, and innovative projects. Passionate about building practical applications through hackathons and academic work.

WORK EXPERIENCE

Team Lead & Vendor — DesiCrew Contractual

Led a remote team to successfully complete project tasks, coordinated with internal members and vendors, monitored progress, ensured quality, managed reporting workflows, and onboarded new team members. Also handled vendor management, task distribution, and resource planning.

Other Experiences

- **Project Work:** Contributed to various academic and personal projects in web development, app development, and design.
- **Leadership Roles:** Led teams in college events, technical fests, and group projects, developing skills in coordination and problem solving.

EDUCATION

2023 - Present	B.Tech in Computer Science at NIST University	(Pursuing)
2022	Class 12th (Intermediate)	(68%)
2021	Class 10th (Matriculation)	(80.3%)

PROJECTS

STEM Quest - Gamified Learning Platform (SIH Internal Round Qualifier) [GitHub Link](#)

A gamified platform designed to make STEM subjects engaging and accessible for rural students.

- Interactive learning through games and quizzes
- Progress tracker with badges and leaderboards
- Multilingual and offline-first design

Technologies: React, TypeScript, Vite, Node.js, SQLite

AI Medical Diagnostics System [GitHub Link](#)

An AI-based system that analyzes medical reports using multiple specialist agents (Cardiologist, Psychologist, Pulmonologist, Neurologist, General Physician) and generates a final diagnosis with a downloadable PDF report.

- Multispecialist AI agents for automated medical evaluation
- Final diagnosis synthesis + QR-verified PDF generation

Technologies: Python, Flask, LangChain, Groq API, ReportLab

A fully responsive school website with integrated AI assistant and automated enquiry system.

- AI chatbot (Groq LLaMA) for student/parent support
- Admission enquiry automation via Google Apps Script
- SEO-optimized with sitemap, robots.txt, and meta tags
- Modern UI with dark/light mode and mobile responsiveness

Tech: HTML, CSS, JavaScript, Netlify Functions, Groq API, Google Apps Script

Smart Dashboard with Clock & Utilities

GitHub Link

A multifunctional web dashboard offering tools for productivity and daily utilities.

- Real-time clock, timer, and calculator
- Weather updates via geolocation API
- Battery and screen lock status display

Technologies: HTML5, CSS3 (Glassmorphism), Vanilla JavaScript, APIs, Local Storage

FarmQuest - Sustainable Farming Gamification

A gamified digital platform promoting sustainable farming through interactive challenges and rewards.

- Farmer dashboard with progress tracking
- Missions, badges, and community leaderboard
- Offline and multilingual accessibility

Technologies: React, TypeScript, Vite, Node.js, SQLite

SKILLS

Programming	C, C++, Python, HTML, CSS
Database Management	DBMS (Relational Databases)
Development Tools	GitHub, Android Studio
Design Tools	Canva for design and visual content