PREM CHANDRA PRASAD

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EDUCATION

International Institute of Information Technology — Bhubaneswar, Odisha
Bachelor of Technology in Computer Science Engineering, Second Year — CGPA: 8.6 — 2023 – Present

Hill Top School — Jamshedpur, Jharkhand
Secondary Education ,12th — Percentage: 91% — 2021 – 2023

SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, TypeScript
Frameworks Databases: React.js, Node.js, Next.js, nestjs, MongoDB, PostgreSQL, TailwindCss
Developer Tools: Visual Studio, Jupyter Notebook, Git (basic), Postman
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn
Others: DBMS, Data Structures Algorithms, OOP, Problem Solving, Project Management, Teamwork, Analytical Thinking

PROJECTS

Applicant Tracking System (ATS) | *TypeScript, NestJS, PostgreSQL, Prisma*
– Engineered a scalable backend for an AI-powered ATS, enabling recruiters to rank resumes using parsed data and automated relevance scoring.
– Developed 8+ RESTful APIs for resume uploads (Multer), JWT-based auth, recruiter dashboards, and feedback integration from an external AI model.
– Optimized Prisma + PostgreSQL queries to reduce resume query time by 30%, and planned API rate limiting to ensure scalability under traffic spikes.

Anonymous Messenger | *Next.js, TypeScript, MongoDB, Tailwind CSS*
– Built a full-stack platform for sending secure, anonymous messages, supporting 1000+ users and ensuring privacy-first communication.
– Utilized MongoDB NoSQL database to persist and efficiently retrieve user messages, enabling scalable storage solutions and clear display of conversation history.
– Integrated Google's Gemini API for smart message suggestions (600ms avg. response) and Resend API for OTP-based email verification with JWT session handling.

CreatorConnect | *Next.js, JavaScript, Tailwind CSS, Razorpay API, OAuth*
– Architected a full-stack content monetization platform that enables creators to publish exclusive content with granular access control features, leveraging Next.js and JavaScript to build a scalable infrastructure.
– Engineered a secure payment system by integrating Razorpay API with custom webhook handlers, implementing transaction logging and automated receipt generation functionality.
– Designed and optimized OAuth-based authentication flow reducing sign-in friction by 30% in internal testing, while maintaining GDPR-compliant data handling practices.

ACHIEVEMENTS

- **D3 Hackathon Finalist** – Engineered a *File Inventory* system using react to organize, track, and secure files via categorization, version control, and permissions, enhancing data accessibility.

- **Smart India Hackathon (SIH) – College Finalist** – Built *Anubandh*, a collaboration platform to streamline communication, resource sharing, and networking, boosting team engagement.

- **IndoCrypt2025 Event** – Contributed to the development of the IndoCrypt2025 event website, improving user experience and functionality for the upcoming event.