

Kumar Prasannajit Sahu

Full Stack Developer | Backend Focused | AI Integration
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Summary

Full Stack Developer with hands-on experience building scalable, production-grade web applications. Specialized in API design, payment integrations, and AI-powered tools. Proven ability to optimize performance, ensure system reliability, and deliver user-centric solutions in fast-paced environments.

Work Experience

Aideas Tech Solutions Pvt. Ltd. — Junior Software Engineer
Hyderabad, India

Sep 2025 – Present

- Developed over 10 reusable React.js UI components that enhanced cross-device compatibility, ensured consistent design, and significantly streamlined UI development workflows.
- Integrated frontend with 5+ RESTful APIs through asynchronous JavaScript technologies, resulting in a 40% reduction in average page load latency and enhanced user experience.

Navgyan Innovations Pvt. Ltd. — Full Stack Developer Intern
Gunupur, India

Mar 2025 – Aug 2025

- Developed and maintained three responsive web applications using React.js and Node.js, serving over 200 users and ensuring high availability and stable API-driven performance.
- Implemented structured Git workflows across a 5-member team, significantly reducing merge conflicts and enhancing team collaboration and deployment efficiency.

Projects

Manima — Spiritual Services Marketplace — Navgyan Innovations

2025 – Present

Node.js, React.js, Express.js, MongoDB, JWT, Razorpay, GitHub Actions | manimaonline.com

- Engineered a scalable full-stack multi-role marketplace (Admin, Client, Agent) managing 100+ service bookings with complete lifecycle automation.
- Integrated Razorpay and QR/UPI payment gateway with secure server-side validation, achieving a 99.9% transaction success rate and preventing price tampering.
- Executed idempotency logic with retry strategies and timeout handling, reducing duplicate transactions by 95% and ensuring consistency.
- Set up CI/CD pipelines using GitHub Actions for automated build and deployment, reducing manual release effort by 70%.

JobPLZ — AI-Powered Job Application Platform — 2026 – Present

Next.js, React, Node.js, Express.js, PostgreSQL, Prisma ORM, Playwright, Redis, BullMQ, Gemini API, Ollama | [GitHub Repository](#)

- Developed a cost-optimized RAG pipeline using an automated web scraper for real-time job fetching and local nomic-embed-text embeddings via Ollama, cutting development costs while preserving job-candidate matching quality.
- Architected a modular REST API with robust validation middleware and an AI pipeline that extracts and normalizes candidate information from resumes, enabling high-performance semantic search and secure RBAC via Clerk.

Lab Equipment Booking System — E-YUVA Centre

React.js, Node.js, Express.js, MongoDB, Mongoose ODM, JWT, Cloudinary | [GitHub Repository](#)

- Developed a full-stack role-based booking system (Admin, Staff, Student) with a 10-state workflow, handling 300+ equipment reservations.
- Enforced real-time slot validation with overlap detection logic, eliminating 100% of double-booking conflicts.
- Integrated Cloudinary for secure document uploads and verification, processing 150+ files with strict role-based access control.

Education

GIET University — B.Tech, Electronics and Communication Engineering
Gunupur, India

08/2022 – 04/2026

- Graduated with a CGPA of 7.83/10, demonstrating consistent academic performance.

Skills

- Languages / Core:** JavaScript (ES6+), TypeScript, Python, HTML5, CSS3
- Frontend:** React.js, Next.js, Tailwind CSS, Responsive UI Design
- Backend:** Node.js, Express.js, REST API Design, Zod Validation, Clerk Authentication, JWT Authentication
- Databases:** PostgreSQL, Prisma ORM, MongoDB, Mongoose ODM
- Tools & Integrations:** Git, GitHub, GitHub Actions, CI/CD, Postman, Cloudinary, Razorpay, Gemini API, Grok API
- Practices:** Async Programming, Error Handling, RBAC, API Security, Input Validation, Database Design, Performance Optimization, Scalable Architecture, Debugging, Problem Solving

Certifications

- Generative AI Exchange — Google
- JavaScript Algorithms and Data Structures — freeCodeCamp