





YOGESH KUMAR

GIS ENGINEER

CONTACT

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SKILLS

- Responsive Design
- Databases
- Version Control
- API Integration
- Cloud Services
- Computer Networking
- Web Hosting

EDUCATION

B.E in Information Science

APS College of Engineering
2018-2022

PCMCs

Dayananda Sagar P.U College
2016-2018

PROJECTS

- Portfolio Website** – Next.js, Tailwind CSS, Vercel: Developed and deployed a personal site showcasing skills, resume, and blog posts
- Blog Application** – React, Node.js, PostgreSQL - Full-stack blogging platform with authentication and rich-text support.
- Cybersecurity Labs** – TryHackMe, HackTheBo

LANGUAGES

English

Kannada

Hindi

PROFILE

Aspiring Web Developer and Cybersecurity Enthusiast with Practical Experience in React, Next.js, and Tailwind CSS | Proficient in Python Scripting, SQL, and PostgreSQL | Passionate About Building Secure, Responsive, and Scalable Web Applications

WORK EXPERIENCE

GIS Engineer

Invensis Technologies

2023 - Present

- Developed a robust full-stack web application to monitor and manage GNSS equipment across Karnataka, using Next.js, Node.js, APIs, PostgreSQL, Tailwind CSS, and Framer Motion. Integrated advanced filtering, role-based access control, dynamic data visualization to streamline equipment tracking. Implemented secure authentication, activity logging, and optimized database queries for performance and scalability.
- Assisting the team lead on Karnataka's pioneering land mapping initiatives—LSMK and Svamitva—by contributing to workflow strategies, data flow architecture, and ensuring operational continuity across phases.
- Spearheading statewide map generation for Karnataka with a focus on high-precision geospatial outputs critical to land development, urban planning, and legal validation.
- Collaborating closely with external stakeholders, including GNSS vendors, the State Land Records Commissioner, and district-level officials; conducting monthly alignment reviews to maintain project compliance and progress.
- Leading site verification visits to cross-check vendor-submitted GNSS data, ensuring centimeter-level accuracy through on-site validation and RTK/PPK comparisons.
- Processing and managing geospatial datasets using structured PostgreSQL databases with PostGIS extensions, ensuring integrity, traceability, and efficiency in data retrieval.
- Utilizing GeoServer to host and serve interactive web maps, enabling real-time access to land development insights via browser-based dashboards.

INTERESTS

- Computer Networks: Building foundational knowledge in network configuration, routing, and management through self-study and practical experimentation.
- Home Network Setup: Hands-on experience setting up and troubleshooting physical home networks, including configuring routers, firewalls, and connected devices.
- Cybersecurity: Actively studying cybersecurity principles, tools, and best practices. Currently pursuing the **Certified Ethical Hacker (CEH)** certification to deepen expertise in network security, threat analysis, and ethical hacking techniques.