# YOGESH KUMAR

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## OBJECTIVE

Software Development Engineer with experience building **scalable, production-grade web systems** used by government departments across Karnataka. Currently working in a GIS engineering role but functioning as a **full-stack SDE**, owning backend services, frontend applications, databases, and CI/CD pipelines. Strong foundations in **Python**, **Java, Full-stack development, SQL, and system design**, with active focus on **DSA and problem solving** for FAANG SDE roles.

## EDUCATION

**Bachelor of Engineering, ISE**, APS College of Engineering                              2018 - 2022

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, SQL, Python
**Backend:** Spring Boot, Node.js, RESTful APIs
**Frontend:** React, Next.js
**Databases:** PostgreSQL
**DevOps:** Docker, Jenkins, GitHub, Nginx

## EXPERIENCE

**GIS Engineer**                                                                  **May** 2023 - Present
Survey Settlement and Land Records Department, Karnataka | Invensis Technologies Pvt Ltd          *Bengaluru, KA*

- Designed and developed **multiple full-stack applications** used by government officials and surveyors statewide.
- Built **RESTful backend services**, database schemas, and frontend dashboards.
- Owned **end-to-end development lifecycle**: design, implementation, deployment, and maintenance.
- Collaborated directly with stakeholders to translate requirements into scalable technical solutions.

## PROJECTS

**Karnataka State Lake Statistics Platform**
Tech: Java, Spring Boot, PostgreSQL, React, Next.js, Docker, Jenkins

- Built a comprehensive system to display lake **statistics, geographical boundaries, and encroachment data** across Karnataka.
- Implemented backend APIs to serve **large-scale spatial and statistical datasets** efficiently.
- Created responsive dashboards for citizens, researchers, and government officials.
- Improved **data transparency and accessibility** for water resource management and land administration.

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**GIS Equipment Management System**
Tech: Node.js, PostgreSQL, React, Next.js, Docker, Jenkins

- Developed a system to track **GIS equipment allocation, returns, and audits** for government surveyors.
- Implemented role-based workflows surveyors and administrators.

## PERSONAL PROJECTS

- **Cybersecurity Quiz App:** Quiz platform for certification prep; focused on backend logic and APIs.
- **Blog Application:** Auth-enabled CRUD application for hands-on backend practice.
- **Developer Portfolio:** Personal site showcasing projects and blogs.

## EXTRA-CURRICULAR ACTIVITIES

- Outdoor sports and Video games
- Fitness and Cooking