# Karan Kumar Sah

B.Tech 4th Year | Developer | Student

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📍 Godda, Jharkhand – 814160, India

Driven Computer Science student with full-stack web development skills, passionate about building impactful web applications.

## 💻 SKILLS

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| **Languages:** | Java, C, Python, HTML/CSS, JavaScript |
| **Frontend:** | Next.js (React), Tailwind CSS, Bootstrap |
| **Backend:** | Spring Boot, Spring MVC, RESTful APIs, Servlets, JDBC |
| **Databases:** | Firestore, MongoDB, MySQL, SQL |
| **DevTools:** | Git, GitHub, VSCode, IntelliJ, Docker, Vercel, postman, Vapi |
| **Other Skills:** | Linux, TensorFlow, Keras, NumPy, Pandas, Matplotlib |
| **Languages Known:** | English, Hindi |
| **Extras:** | Analytics using Power BI |

## 💼 WORK EXPERIENCE AND PROJECTS

**Jul '23 – Sep '23**  **YHills** *Remote*
- Created E-commerce Frontend.
- Developed an Educational Landing Page.
- Implemented Authentication System.

**Jun '24**  **Project Management System – GitHub**
- I developed a full-stack project leveraging modern technologies.
- On the frontend, I utilized React with ShadeCDN and Vite for efficient module loading.
- On the backend, I implemented a robust solution using Spring Boot, Maven, and REST APIs.
- Seamless integration between frontend and backend was achieved through Redux, ensuring efficient state management and a cohesive user experience.

**Apr '25**  **SSP-Net: Medical Image Enhancement – Kaggle**
- Developed a deep learning model (SSP-Net) to enhance low-quality microscopic medical images.
- Utilized an unpaired grayscale image dataset from the CORN-2 dataset for training and validation.
- Implemented using TensorFlow and Keras with evaluation based on Entropy, Avg Gradient, SSIM, AUC and Dice metrics.

**Aug '23**  **Sigma Plus – GitHub, Preview**
- Developed a modern, responsive landing page for an educational institution using HTML, CSS, and JavaScript.
- Integrated Formspree for seamless email handling to enhance user interaction and communication with prospective students.

## 🎓 EDUCATION

**•B.Tech in CSE, 4th Year at KIIT DU** 2022–Present
CGPA: 8.17 (6th Semester)

## ➕ SUMMARY

Motivated Computer Science student seeking opportunities to expand skills and gain industry experience. Dedicated to delivering high-quality work and contributing meaningfully to team goals.