Rajpal Kumar

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CAREER OBJECTIVE

- My Objective is to become software engineer and develop a career in the ever changing, challenging and dynamic field of technology by giving the best with all my ability, sincerity as to attain organizational goals thereby fulfilling my personal goals.

EDUCATION

- **Sagar Group of Institution, Bhopal** *2022 – 2026*
  *Bachelor of Technology in Computer Science Engineering ; **CGPA: 7.31 / 10*** — Bhopal, Madhya Pradesh, India

- **K.L.S College, Nawada, Bihar** *2022*
  *BSEB - Class XII ; Percentage: **80.80%*** — Bihar, India

- **Kanhai High School, Nawada, Bihar** *2020*
  *BSEB - Class X ; Percentage: **80.60%*** — Bihar, India

PROJECTS

- **SmartCRUD (MERN Stack)** *May 2025*
  Key Skills: React.js, JavaScript, MongoDB, Node.js, Express.js, REST API, Axios
  - Developed a full-stack CRUD (Create, Read, Update, Delete) application using React.js for frontend and Node.js with Express.js for backend.
  - Built RESTful APIs using Express.js (`GET`, `POST`, `PUT`, `DELETE`) to handle data operations efficiently.
  - Integrated MongoDB database with Mongoose schemas and models for structured data storage and retrieval.
  - Utilized React Hooks such as `useState` and `useEffect` for managing application state and performing API calls.
  - Connected frontend and backend using Axios and configured CORS middleware for secure cross-origin communication.
  - Implemented form handling with client-side validation and proper server-side error handling.

- **SkillSnap-AI (MERN Stack)** *Jan 2026*
  Key Skills: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Google Gemini API, JWT
  - Designed and developed secure RESTful APIs using Node.js and Express.js to manage AI-driven interview workflows.
  - Built a responsive single-page application (SPA) using React.js and Tailwind CSS for an interactive mock interview experience.
  - Integrated Google Gemini API to generate real-time interview questions and feedback, reducing manual preparation time by ~80%.
  - Implemented JWT-based authentication to secure user sessions and protect sensitive interview data.
  - Utilized MongoDB to store user responses, performance metrics, and chat history for continuous progress tracking.

SKILLS

- **Languages**: C++, JavaScript, Python
- **Frontend**: HTML, CSS, Tailwind CSS, JavaScript, React
- **Backend & Database**: Node.js, Express.js, SQL (MySQL), MongoDB
- **Developer Tools**: Git, GitHub, VS Code, Vercel, Postman
- **Concepts**: Data Structures and Algorithms(Basic), Database Management Systems(DBMS), Numpy, Pandas, Object-Oriented Programming (OOP).

ACHIEVEMENTS

- **Solved over 300+ problems** , over multiple platforms (Leetcode, gfg) *July 2025*
- **5-Star Badge in Problem Solving**, HackerRank *2024*

CERTIFICATIONS

- **Problem Solving (Basics)** , HackerRank. *Jan 2025*
- **JavaScript(Intermediate)**, HackerRank. *Oct 2024*
- **CSS**, HackerRank. *Oct 2024*
- **Certification of front end development**, Udemy. *Sep 2024*
- **C++ Certification Course** , MySirg.com. *Feb 2024*