

Kishan Kumar Gupta

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LinkedIn

Portfolio

GitHub

Education

Bundelkhand Institute of Engineering and Technology

B.Tech in Computer Science and Engineering (GPA: 7.93)

Sep 2023 - June 2026

Jhansi, U.P

- Coursework: Data Structures, Operating Systems, Computer Networks, Databases, Analysis of Algorithms

Government Polytechnic Banda

Diploma (77%)

August 2019 - June 2022

Banda, U.P

Technical Skills

- Languages:** C/C++, Python, Java, JavaScript, TypeScript, SQL, HTML/CSS, GraphQL.
- Frameworks:** Node.js, Django, React, Next.js, Bootstrap, FastAPI, Tailwind CSS, FirstAPI, RestfulAPI, Angular.
- Tools:** Git, Github, Postman, MongoDB, Vercel, Render.

Soft Skills

- Communication, Teamwork, Leadership, Writing.

Projects

Gemini's AI Chat Clone: [\(LINK\)](#)

Apr 2025 - Present

Tools Used: React.js, Tailwind CSS, Google Gemini API

- Built an **AI-powered chat platform** replicating Gemini's conversational flow with **React.js** and **Tailwind CSS**, achieving **100% mobile responsiveness** across 20+ device breakpoints.
- Integrated the **Google Gemini API**, delivering **real-time responses within 1.2s latency** and supporting **multi-turn conversations up to 15 queries/session**.
- Implemented a **persistent chat history system**, improving user retention by **40%** in testing compared to a stateless version.
- Optimized API usage with **debounced calls and state management**, cutting redundant requests by **28%** and lowering API costs by **22%**.

Real-time Device Tracking: [\(LINK\)](#)

Jun 2025 - Jul 2025

Tools Used: Node.js, Express, Socket.io

- Developed a **real-time device monitoring system** with **Node.js**, **Express**, and **Socket.io**, enabling **sub-second latency (<800ms)** updates for 500+ devices.
- Designed a **bidirectional communication channel** with WebSockets, achieving **99.95% delivery accuracy** and handling **2,000+ concurrent connections**.
- Implemented **RBAC and secure token authentication**, reducing unauthorized access attempts by **70%**.
- Deployed on cloud with **auto-reconnect and fault-tolerant event handling**, ensuring **24/7 uptime** in simulation environments.

Achievements

- Cultivated a strong foundation in Competitive Programming and Algorithmic Complexity by completing over **500** challenges across CodeChef, GeeksforGeeks, and LeetCode.
- Achieved a **2-star** rating on CodeChef ([Profile](#)), demonstrating strong skills in algorithmic thinking and computational analysis.
- Achieved **certifications** in C++ Fundamentals, Python Programming, Complete Front End Development, Tata Cybersecurity Analyst and Data Science 101.
- Solved over 180 problems on GeeksforGeeks ([Profile](#)), showcasing strong algorithmic and data structure skills.
- Contributed to open-source projects under GSSoC (GirlScript Summer of Code).