

BIKUND KUMAR

Noida, India

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🌐 [Bikund Kumar](#)

🔗 [Leetcode](#)

EDUCATION

- **GL Bajaj Institute of Management, Greater Noida** 2023-2026
Bachelor of Computer Applications
- **RSBV School** 2022-2023
Class XII
- **RSBV School** 2020-2021
Class X

PERSONAL PROJECTS

- **Park & Ride+**
Arduino Mega 2560, React.js, Node.js, Express.js, Firebase, Google Maps API, SerialPort
 - Built a full-stack IoT-enabled parking and transit system for real-time parking availability.
 - Integrated Arduino Mega 2560 with IR sensors for live parking slot detection via serial communication.
 - Developed an interactive map-based UI using Google Maps API to display parking and transit locations.
 - Implemented Firebase authentication and community reporting with image uploads.
 - Deployed using Vercel with serverless backend functions for scalability.
- **Connect Now**
Next.js, React, TypeScript, Socket.io, Node.js, Express.js, MongoDB Atlas, Cloudinary, Tailwind CSS
 - Built a real-time chat application supporting instant messaging with typing indicators using WebSocket communication via Socket.io.
 - Implemented multi-user chat rooms with persistent message history stored in MongoDB Atlas (7-day retention).
 - Enabled file and image sharing with secure uploads using Cloudinary.
 - Developed a responsive and modern UI using Tailwind CSS and Next.js.
 - Deployed the client on Vercel and the server on Render for scalable production hosting.
- **Realtime Weather Forecast**
JavaScript (ES6), Express.js, Node.js, OpenWeatherMap API, HTML5, CSS3
 - Developed a full-stack web application for live weather updates and 5-day forecasts using the OpenWeatherMap API.
 - Built the backend with Node.js and Express.js for secure API integration and data serving.
 - Designed a responsive, modern UI in vanilla JavaScript and CSS for desktop and mobile users.
 - Implemented geolocation and instant search with error handling for enhanced user experience.

SKILLS

- **Languages:** HTML, JavaScript, CSS, C++
- **Frameworks:** Express.js
- **Runtime/Environment:** Node.js
- **Databases:** MongoDB, SQL, Firebase
- **Tools:** VSCode, Git/GitHub, Docker, AWS, Vercel, Linux

CERTIFICATIONS

- Operating Systems (Cisco)
- C++ DSA (Apna College)
- Linux Kernel Development (LFD103) (The Linux Foundation)