

# GAURAV KUMAR

Kanpur , Uttar Pradesh

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## Education

**Dr. Ambedkar Institute of Technology for Handicapped**

Information Technology **CGPA : 8.24**

**Aug 2019 – May 2023**

Kanpur, Uttar Pradesh

## Experience

**EMSEC Private Limited**

**Bangalore(Remote)**

*Backend Developer*

*Feb 2023-Present*

- Worked on a project that involved using **Nmap**, a network scanning tool, to detect vulnerabilities in network devices
- Implemented **Nmap API** to scan for **open ports and services on devices**, and then checked the results against a database of known vulnerabilities to identify potential security issues.
- Worked with **Selenium WebDriver**, a popular tool for automating web browser interactions, to develop automated tests for web applications used Selenium to extract the information of **SRC, Script Tag and Versions**.
- Used Cron to schedule the program to execute automatically at 12 AM every Sunday to destroy Relay Server and create a new Relay Server.

**HOOGAAA Technology**

**Kanpur(Remote)**

*Backend Developer Intern*

*Jan 2023*

- Developed a robust backend **API** using **Node.js**, enabling seamless communication between the front-end application and the database.
- Leveraged RESTful principles and Node.js to design and implement well-structured and efficient Application Programming Interfaces (APIs).
- Worked closely with other developers and contributed in optimizing the API's performance and scalability, ensuring its responsiveness even under high user loads.

## Projects

**Chat Application | Node.js, Express.js, Socket.IO, React.js, Redux, JWT, CSS3**

**LINK**

- A dynamic real-time chat application that enables users to communicate seamlessly and instantly. A feature-rich platform that facilitates real-time conversations, enhances user interactions and provides a smooth and engaging user experience.
- The chat application utilizes **WebSockets** to establish bidirectional communication channels between users and the server. This enables users to exchange messages and updates instantly, eliminating the need for manual page refreshing.
- User data and interactions are secured through robust authentication mechanisms. I implemented user registration and login using **JSON Web Tokens (JWT)**, ensuring that only authorized users can access the chat features and also Messages are delivered and displayed in real-time(**Soket.IO**), creating a dynamic and engaging conversation experience.

**Weather App | React.js, Redux, RESTful APIs, CSS3**

**LINK**

- The weather application utilizes **APIs** to fetch real-time weather data, including temperature, humidity, wind speed, and more. Users can obtain accurate weather information for their desired locations instantly.
- Developed the frontend to interact with the APIs using **RESTful** principles, making asynchronous requests to fetch weather data in **JSON** format. Users receive real-time weather alerts and notifications for severe weather conditions such as storms, hurricanes, or snowstorms.

**Swiggy Clone | React.js , Javascript, CSS3**

**LINK**

- Developed an online food ordering menu solution using **React.js** that allows users to explore and order various dishes, prices, and special offers from their favourite restaurants.
- Implemented search functionality to find specific restaurants or types of cuisines. Added filters to sort restaurants based on relevance, ratings and delivery time.

## Technical Skills

**Programming/Scripting Languages:** C++, OOPs, JavaScript, Node.js, HTML5, CSS3

**Tools/Software Packages used:** React.js, Redux, MongoDB, SQL, Git, Github, APIs, VScode, Workbench.

**Soft Skills:** Leadership, Communication, Public Speaking, Problem Solving, Teamwork

## Achievement

- Selected as a **Finalist** in **HackWithInfy Infosys** 2022 out of 20,000 participants.
- Awarded with Postman API Fundamentals Student Expert Badge.
- Solve 300+ problems on GeeksforGeeks.
- 5 Star on HackerRank.