

# GAURAV SAHU

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## EDUCATION

### Poornima University

Bachelor of Computer Application (CGPA: 8.27)

Expected: May 2027

### Shri Bhawani Niketan Public School (CBSE)

Class 12<sup>th</sup> - 87%

Completed: May 2024

## CERTIFICATE

### Gen AI Study Jams Program (2024-25)

Google Cloud & Google Developer Groups

ID: GDGPUGENAI24071

Organizer: Manu Sharma, GDG On Campus

## PROJECTS

### Real-Time Chat Application (MERN Stack) - Chatty

Technologies: MongoDB, ExpressJS, ReactJS (Vite), NodeJS, Socket.IO, JWT, Tailwind CSS

Live - <https://real-time-chatapp-1-vyz7.onrender.com>

- Developed a full-stack real-time chat application using the MERN stack to enable instant messaging between users.
- Implemented secure authentication and authorization using JWT (JSON Web Token) with HTTP-only cookies for session management.
- Integrated Socket.IO for real-time bidirectional communication, enabling instant message delivery and live user status updates.
- Implemented image sharing functionality with file upload support and base64/image storage handling.

### Personal Portfolio Website

Technologies: HTML, CSS, JavaScript

- Created a personal portfolio website using HTML, CSS, and JavaScript to present personal details, skills, and academic projects in a structured manner.
- Enhanced the website with basic interactivity and clean UI design, focusing on performance, readability, and professionalism.

### Contact Management Backend Project

Technologies: NodeJS, ExpressJS, MongoDB

- Developed a backend application using Node.js and Express.js to manage contact information with MongoDB.
- Implemented CRUD operations (Create, Read, Update, Delete) for contacts using Mongoose for database schema.
- Structured backend logic with proper routing and JSON-based request handling for efficient and scalable data management.

## TECHNICAL SKILLS

**Programming Languages:** Java 8+, C, JavaScript.

**Database:** MongoDB, basic MySQL.

**Frameworks and Tools:** ExpressJS, NodeJS, Basic Spring, Git & GitHub, IntelliJ, Vscode, CursorAI, Claude Opus, Antigravity.

**Concepts:** Client–Server Architecture, REST API, HTTP Request Handling, Backend Development Concepts, (Routing, Middleware, MVC Basics), Object-Oriented Programming Concepts (Java) and Data Structure and Algorithms.