

# Ninad Baruah

Portfolio: [ninadbaruah.me](https://ninadbaruah.me)

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## EDUCATION

- **Manipal University Jaipur** Jaipur, India  
*Master of Computer Applications (MCA); SGPA: 8.45 (2nd Sem), 8.3 (1st Sem)* *Expected: 2025*
- **Dibrugarh University** Dibrugarh, India  
*Bachelor of Computer Applications (BCA); CGPA: 7.75* *Completed: 2023*

## SKILLS SUMMARY

- **Languages:** JavaScript, TypeScript, Python, Java, SQL, HTML, CSS
- **Frameworks:** React.js, Node.js, Express
- **Tools:** Git, WebSocket, WebRTC, REST API, Vite
- **Platforms:** Linux, Cloudinary, heroku
- **Soft Skills:** Problem-Solving, Team Collaboration, Time Management, Adaptability

## PROJECTS

- **Tic Tac Toe Multiplayer:**
  - Developed a responsive multiplayer game using Vanilla JavaScript, HTML5, and CSS3 for frontend
  - Built backend with Node.js and Express.js for game logic and player management
  - Implemented real-time game state synchronization using WebSocket protocol through Socket.io
  - Designed RESTful APIs for user authentication and game state management
  - [Live Demo](#)
- **Chat & Video Call Application:**
  - Developed a comprehensive communication platform using MERN stack (MongoDB, Express.js, React, Node.js)
  - Integrated WebRTC technology for peer-to-peer video calling.
  - Implemented real-time chat functionality using WebSockets for instant message delivery
  - Created secure user authentication system using JWT tokens and bcrypt for password hashing
  - Added file sharing functionality with Node.js streams and Cloudinary integration
  - Designed responsive UI using Tailwind CSS and Material-UI components
  - [Live Demo](#)
- **Simple Video Call Application:**
  - Built a lightweight video calling application using Vanilla JavaScript, HTML5, and CSS3
  - Implemented WebRTC's RTCPeerConnection API for establishing peer-to-peer connections
  - Created signaling server using Node.js and WebSocket for connection negotiation
  - Integrated media stream capture using getUserMedia API for camera and microphone access
  - [Live Demo](#)

## CERTIFICATIONS

- **Meta & Coursera Professional Certificates:**
  - Programming with JavaScript: Core concepts, DOM manipulation, async programming
  - Programming in Python: Data structures, algorithms, OOP concepts
  - Databases for Back-End Development: SQL, database design, optimization
  - Version Control: Git fundamentals, branching strategies, collaboration
  - React Basics: Component architecture, props, state management
  - Advanced React: Context API, Redux, Testing, Performance