# Ankit Kumar

Btech, CSE(Data Science)
Heritage Institute of Technology, Kolkata
🔗 Portfolio

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## OVERVIEW

Full Stack MERN Developer | Competitive Programmer | Keen Explorer of Advanced Technologies

## EXPERIENCE

- **Marqstats** *25-04-2024 to 25-07-2024*
  *Full stack developer* Kolkata
  – Enhanced website functionality and efficiency, improving user experience and performance.
  – Architected and maintained a robust admin dashboard leveraging Chart.js and Rough.js, streamlining workflows.
  – Enhanced reporting speed by 40 percent and reduced manual data entry errors by 25 percent across the organization.

## PROJECTS

- **Chat Application** *Github* ○
  *Full stack MERN project*
  – Engineered a feature-rich Chat App with JWT and bcryptjs for authorization and authentication.
  – Enhanced user experience and responsiveness using React, resulting in 30 percent faster load times..
  – Developed group and one-to-one chat functionalities with Socket.IO for seamless real-time communication.
  – Leveraged React's Context API and local storage, resulting in 15 percent faster state management.

- **ColorPicker-Extension** *Github* ○
  *Chrome Extension*
  – Chrome extension that allows users to pick colors from any webpage, supporting up to 16 million color variations.
  – Enabled users to save up to 50 selected colors, ensuring efficient access and management.
  – Integrated a feature to clear saved colors with a single click, maintaining an organized palette for over 1,000+ users.

- **Multiplayer Tic-Tac-Toe Game** *Github* ○
  *Advanced JavaScript and Socket.IO Project*
  – Formulated a real-time multiplayer Tic-Tac-Toe game using advanced JavaScript.
  – Utilized Socket.IO to ensure seamless, real-time communication between up to 2 players.
  – Implemented game logic for robust multiplayer interactions, achieving 99.9 percent uptime and efficient game state management.

- **Image Processor npm Package** *Github* ○
  *An NPM package*
  – Developed an npm package for comprehensive image processing capabilities.
  – Enabled seamless conversion between JPEG and PNG formats, with options to adjust image quality up to 50 percent reduction.
  – Implemented functionalities for cropping and resizing images to specified dimensions, supporting sizes ranging from 50x50 to 2000x2000 pixels.

## TECHNICAL SKILLS AND INTERESTS

**Languages**: C, C++, Python, JavaScript, Typescript
**Frontend Development**: HTML, CSS, React.js, Next.js, Responsive Design, Bootstrap
**Backend Development**: Node.js, Express.js, RESTful APIs, JWT, OAuth
**Libraries/Tools**: Git/Github, UI libraries, Tailwindcss, Postman, vite, WebSockets,ESLint,Postman
**Databases**: MongoDB, Firebase Firestore
**Competitive Programming**: Strong problem-solving skills, proficient in algorithms and data structures, experienced in participating in coding competitions on platforms like codeforces, CodeChef

## EDUCATION

- **Heritage Institute of Technology, Kolkata** *2021-2025*
  *Btech, CSE(Data Science)* CGPA (6th sem): 8.2
- **DAV public school Alkusa,Dhanbad** *2020*
  *Board of Higher Secondary Education, Jharkhand* Percentage: 81
- **DAV public school Alkusa,Dhanbad** *2018*
  *Board of Secondary Education, Jharkhand* Percentage: 86

## ACHIEVEMENTS

- **Cognizant Hackathon**
  Achieved finalist status in the Cognizant NPN hackathon.

- **MLH Hackathon**
  Participated at Status Code 0 organized by Major League Hacking organized by IIIT Kalyani