

# Rahul Goswami

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## Skills

- **Programming Languages:** C | C++
- **Databases:** MySQL
- **MERN Stack:** HTML | CSS | JavaScript | React.js | Node.js | Express.js | MongoDB | Tailwind
- **Concepts:** OOPS | DSA | Git | Frontend | Backend | Competitive Programming
- **Languages:** English (Professional Proficiency) | Bengali (Professional Proficiency)

## Experience from Responsibilities

- |   |                                  |                          |
|---|----------------------------------|--------------------------|
| <b>Team Lead</b>  | <b>College Project (Imagify)</b> | <b>08/2024 - Present</b> |
| • Managed a college project team of 4 members by coordinating tasks, fostering collaboration, and ensuring successful project completion. |                                  |                          |
| <b>Captain</b>  | <b>BUIE Volleyball Team</b>      | <b>09/2024 - Present</b> |
| • Led the team in practices and competitions, ensuring effective training and performance during matches.                                 |                                  |                          |

## Education

<b>B. Tech (Information Technology)</b> • CGPA - 8.2	<b>Bankura Unnayani Institute of Engineering</b>	<i>Bankura, West Bengal, India</i>	<b>2022 - Present</b>
<b>Diploma (Mechanical Engineering)</b> • CGPA - 8.3	<b>K.G. Engineering Institute</b>	<i>Bishnupur, West Bengal, India</i>	<b>2019 - 2022</b>

## Projects

- **Imagify** [\[Link\]](#)  
Developed a feature-rich AI-powered image enhancement platform using the MERN stack, focused on secure and scalable user experiences. Integrated cutting-edge animations, real-time charting, and robust authentication mechanisms to deliver a seamless and interactive interface.
  - **Secure Authentication:** Integrated JWT-based authentication with encrypted user sessions.
  - **Admin Dashboard:** Added role-based access for admin users to monitor platform usage, manage logs.
  - **Data Visualization:** Implemented real-time dynamic charts with Chart.js to track usage trends and enhancement stats.
  - **Interactive UI/UX:** Implemented smooth UI animations and responsive layouts using Framer Motion, GSAP and Tailwind CSS, improving user engagement by 80%.
  - **Offline Mode with Interactive Game:** Created a playable "Escape Mage" game accessible offline to enhance user engagement.
- **Code Genius** [\[Link\]](#)  
Built an AI-powered code reviewer that analyzes code, detects issues, and provides suggestions, improving code quality by 90%.
  - **AI-Powered Review Engine:** Integrated AI models to parse and evaluate code logic, syntax, and potential issues with feedback.
  - **Efficiency Boost:** Increased code review efficiency and quality by up to 30% through automated suggestions and recommendation.
- **SortLab** [\[Link\]](#)  
Built an intuitive tool to demonstrate how popular sorting algorithms work through smooth, real-time visualizations with full customization features.
  - **Real-Time Animations:** Leveraged GSAP to animate sorting processes dynamically, providing clear insights into algorithm behavior.
  - **Multi-Language Code Display:** Showcased corresponding implementations in Python, C++, Java, and JavaScript for broader understanding
  - **Complexity Visualization:** Implemented interactive charts displaying time and space complexity of algorithms to deepen conceptual understanding.

## Achievements

- **LeetCode:** rating - **1712(max)**, Solved **350+** Problems handle - [RahulScripted](#)
- **CodeChef:** rating - **1689(max)**. Id - [explosion\\_king](#)
- **Codepen:** 60+ Uploads. Id - [Goswami\\_Rahul](#)
- **GFG:** Solved **300+** Problems with the handle name - [goswamirap9x6](#)
- **Hacktoberfest-2024:** Contributed to 10+ open-source GitHub repositories focused on frontend development - [Link](#)
- **GirlScript Summer of Code:** Made impactful contributions to over 20 frontend-centric open-source projects- [Link](#)
- **Postman API Fundamentals Student Expert:** [Link](#)

## Extracurricular

- **Gold Medalist, College Sports Fest:** Secured first place in the Long Jump and Won a gold medal in Volleyball.