

# Md. Samsad Alam

## Software Developer

[LinkedIn](#) | [Portfolio](#) | [GeeksForGeeks](#) | [LeetCode](#) | [Github](#)

Email: [amdsamsad00@gmail.com](mailto:amdsamsad00@gmail.com)

Mobile: +91- 7044220581

Address: Garden Reach, Kolkata, India.

## EDUCATION

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- Institute of Engineering & Management, Kolkata** Kolkata, India  
*Bachelor of Technology (B.Tech) in Computer Science; GPA: 9.5/10 (Absolute)* August 2021 - May 2025
- GR KC Mills High School** Kolkata, India  
*West Bengal Council of Higher Secondary Education; 87%* May 2018 - April 2020

## TECHNICAL SKILLS

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- Programming Languages:** C, C++ (Data Structures & Algorithms), Java, Javascript, Python, SQL, NoSQL, HTML, CSS
- Technologies & Frameworks:** React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Unix/Linux, Web Technologies (HTTP, HTML, XML),
- Tools & Platforms:** Visual Studio Code, Version Control, Git, GitHub, Vercel, Google Chrome (Development Tools)

## PROJECTS

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- Codify** November 2023 - February 2024  
*Full Stack Educational Platform*
  - Developed a full-stack educational platform using the **MERN stack technology**, engaging over **100 users** and facilitating interactive learning experience, showcasing extensive software development skills
  - Engineered features such as **user authentication** and content management systems (CMS)
  - Incorporated seamlessly the **Razorpay payment gateway**, enabling users to purchase courses securely
  - Leveraged **TCP/IP protocols** to ensure **99.9% uptime**, handled over **20 concurrent users** and demonstrating proficiency in network programming
  - Successfully deployed on **Vercel** to ensure high **scalability**, **reducing load times by 40%** and managing software systems.
  - [LiveLink](#)
- Weather App**  
*Dynamic API implementation*
  - Incorporated with a weather data **API** to fetch real-time weather information of over **100 countries** based on user search input
  - Executed **geolocation functionality** to automatically detect the user's location and provide localized weather forecasts
  - Dynamically rendered** weather data on the frontend based on API responses, including current weather, temperature, humidity, wind speed, and more with ongoing maintenance.
  - [LiveLink](#)
- RazorPay**  
*UI Clone of RazorPay Payment gateway*
  - Successfully replicated the user interface of Razorpay, resulting in a **95% similarity**, using **HTML, CSS, and Tailwind CSS**
  - Created a **responsive design** using Tailwind CSS utilities to ensure the Razorpay UI Clone is fully responsive and optimized for Android & iOS screens.
  - [LiveLink](#)
- Speech to Text Converter**  
*Real-time Speech-to-Text Conversion Web Application*
  - Integrated **React Speech Recognition library** to enable real-time speech recognition functionality and achieve an **accuracy rate of 95%** for speech recognition
  - Designed user controls for **starting, pausing, and stopping** the speech recognition process, allowing better user interaction, leading to a **20% increase** in user satisfaction.
  - [LiveLink](#)

## ACCOMPLISHMENTS & TECHNOLOGICAL ACHIEVEMENTS

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- Secured a worldwide ranking of 545** in the Starters 82 contest of **CodeChef**
- Qualified for TCS Codevita Season 11** with a global rank of 5000.
- Maintained an active **streak** of over **245 days** and counting on **GeeksforGeeks**

## TEACHING/LEADERSHIP EXPERIENCE

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- Conducted an IEEE Workshop on Basics of Web Development for college students (Jan 2023), attended by 200+ college students.
- Taught Math and science to underprivileged school kids as part of the Sri Sathya Sai Seva Organization, impacting 20+ students.