Md Masudur Rahaman

Barasat, Kolkata, WB | mdmasudur9674@gmail.com | (+91) 6297643917 | LinkedIn | GitHub
Codechef | LeetCode | Codeforces

Education

Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal   2021 – 2025
B.Tech in Computer Science and Engineering   **CGPA: 6.8**

Khalatput High Madrasah(H.S), Howrah, West Bengal   2018 – 2020
Class 12th with Physics, Chemistry, Mathematics   **Percentage: 85**

Mandra Hazer Ali Smriti Vidyapith, Basirhat, West Bengal   2018
Class 10th Board   **Percentage: 91.3**

Technical Skills

Languages: Java, C++, Python, Javascript, SQL, HTML/CSS
Technical Proficiencies: MERN stack, NodeJS, React
Tools and Databases: VS Code, Git and GitHub, MYSQL, MongoDB
Core Fundamentals: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Database Management System, Computer Networks
Other Skills: Typist(65-70 WPM), Powerpoint, Exel

Projects

- **Audio Aura Master** | Python, Deep Learning, U-Net, MUSDB18   Demo | Github
  - Developed an AI-based music source separation model using the U-Net architecture and the MUSDB18 dataset.
  - Implemented deep learning techniques to accurately isolate vocals from mixed audio tracks.
  - Collaborated with two team members under the guidance of Prof. Dr. Dhiman Mondal, ensuring a structured and research-driven approach.
  - Future improvements include extending the model to separate individual instrumental sounds.

- **Personal Portfolio (Responsive)** | HTML, CSS, JavaScript   Demo | Github
  - Developed a fully responsive personal portfolio website to showcase my skills, projects, and professional background.
  - The project emphasizes modern web design principles, including adaptive layouts and interactive elements, enhancing user engagement.

- **Calculator App** | HTML, CSS, JavaScript   Demo | Github
  - Implemented a user-friendly calculator with essential arithmetic functions such as addition, subtraction, multiplication, and division.
  - Designed a clean and intuitive interface for real-time calculations and ensured robust error handling for invalid inputs.

Certifications

- The Complete Full Stack Web Development Bootcamp, Dr. Angela Yu   Credential

Achievements

- Secured a rank of 7686 in WBJEE 2021, standing out among approx 1.5 lakhs candidates across West Bengal.
- Successfully solved over 100 data structures and algorithms (DSA) problems in leetcode.

Extracurricular Activities

Manager: "Jyoti - A Ray of Hope" - A free night school for underprivilaged students.   2024 - Present