

SHUBHAM KUMAR

Kolkata, West Bengal

☎ +91 6201709874 ✉ sbmraj03@gmail.com [in](#) [linkedin](#) [📁 Portfolio](#)

Education

Indian Institute of Engineering Science and Technology, Shibpur

December 2021 - June 2025

Bachelor of Technology in Electronics & Telecommunication Engineering (CGPA of 7.69)

West Bengal, India

Experience

MADSCIENTIST [ppt](#)

May 2024 – July 2024

Software Developer Intern

Hyderabad, India (Remote)

- Successfully identified and eliminated over **20+** bugs, enhancing system stability and user interaction.
- Developed a comprehensive **compression** system for images, PDFs, videos etc, resulting in faster load times.
- Developed **chat server** for the website using **Socket.io** to enable real-time communication.
- Developed **email and OTP** generation for user account processes such as welcome mail and password recovery.
- Built robust backend solutions using **Node.js** and **MySQL**.

Major Project – IEST Shibpur

Sept 2024 – Feb 2025

Final Year Project – Alzheimer's Detection System

- Developed a deep learning-based diagnostic tool for Alzheimer's using **MRI** and **speech data** analysis.
- Used **MFCC** feature extraction and **Decision Tree**-based feature selection techniques.
- Trained models including **Random Forest**, **SVM**, and **CNN** with up to **96% accuracy**.
- Leveraged **Python**, **scikit-learn**, and the **volBrain** pipeline for data preprocessing and classification.

Projects

MovieGPT - AI-Powered Movie Discovery Platform [Github](#) | [Live](#)

- Developed a movie discovery platform using **React (Vite)**, **Redux Toolkit**, and **Tailwind CSS**.
- Deployed on **Firebase Hosting** with secure **Firebase Authentication**.
- Integrated **TMDB API** for movie data with real-time trailers and previews.
- Used **Google Gemini API** for AI-powered recommendations and multi-language support.

EduVerse: An Edtech Platform [Github](#) | [Demo](#)

- Built a full-stack EdTech platform enabling course creation, instructor management, and student-teacher interaction.
- Implemented secure authentication with **OTP verification**, **password recovery**, and session handling.
- Integrated **Razorpay** for payments and **Cloudinary** for efficient media upload and storage.
- **Tech Stack:** ReactJS, Tailwind, Redux, NodeJS, ExpressJS, MongoDB.

ChatVox [Github](#) | [Demo](#)

- Built a full-stack real-time chat application with **Socket.io** for instant two-way communication.
- Implemented **JWT-based authentication**, **bcrypt.js** password encryption, and protected routing.
- Designed a clean, **mobile-responsive UI** using React and Tailwind CSS for cross-device compatibility.
- **Tech Stack:** ReactJS, NodeJS, ExpressJS, MongoDB, **Socket.io**.

Achievements

- Achieved a peak rating of **1268+** and solved **550+** problems on **Codeforces**, ranking among the **top 10%** of Indian competitive programmers, demonstrating strong problem-solving and algorithmic skills [Profile](#).
- Achieved Codeforces ranks of **2759 (Div. 4)** and **3660 (Div. 2)** among thousands of contestants.
- Secured **19th** rank in CodeClash 2025 DSA Round by Let's Code Community [Certificate](#).
- Solved **900+** problems on **Codeforces** and **LeetCode** (400+), with strong DSA fundamentals [Profile](#).
- Participated in the **L'Oréal Sustainability Challenge 2024** as Team **Technical Elite**, IEST Shibpur [Certificate](#)
- Recognized as a **bright star of tech brilliance** in the nationwide HackVega 2025 hackathon, organized by HirePro and Careernet, for standing out in the first round [Certificate](#).

Technical Skills

Languages: C++, Python, TypeScript, JavaScript, SQL

Web Development: NodeJS, ExpressJS, ReactJS, NextJS, Tailwind CSS, FastAPI, Firebase

Tools/DB: MongoDB, GraphQL, MySQL, Postman, JWT, auth0, Git, GitHub, Prisma ORM, GraphQL

CS Fundamentals: Data Structures, Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems