MANASH ROY

Kolkata, India

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EDUCATION

Degree	Institute/Board	CGPA / %	Year
B.Tech. CSE	Future Institute of Engineering & Management	8.77	2025
Higher Secondary	Gangapuri Siksha Sadan High School	81.20 %	2021
Secondary	Gangapuri Siksha Sadan High School	84.57 %	2019

COURSEWORK

- Data Structures & Algorithms
- Computer Network
- Operating Systems
- Database Management System (DBMS)
- Object Oriented Programming (OOP)

PROJECTS

EduHub ⧉ | React Js, Tailwind CSS, Express Js, MongoDB **Jan 2024 - Apr 2024**

- Built an EdTech Project where **multiple instructors** can **login/signup** and create courses.
- Implemented student registration **authentication** and login functionality using **JWT**.
- Students can **buy** courses and make payment with cards or UPI id.
- Integrated **Razorpay Payment Gateway** to make successful transaction.
- Students can view recorded lectures in course and **can give reviews** for it.

Real-Time Tic-Tac-Toe ⧉ | React Js, CSS, Socket.io, Node Js **Aug 2024**

- Developed a **real-time multiplayer** Tic-Tac-Toe game using **Socket.io** for seamless **two-player** interaction.
- Implemented **WebSockets** to enable **instant gameplay** updates and smooth user experience.
- Designed an **interactive UI** with **real-time synchronization** for enhanced player engagement.

FocusShield (Chrome Extension) ⧉ | HTML, CSS, JavaScript **Nov 2024**

- Developed a Chrome extension to **block distracting websites** for 24 hours.
- It enhances **focus** and **productivity** to help users stay disciplined and **minimize distractions**.

GIF Explorer ⧉ | React Js, Tailwind CSS, Giphy API **Aug 2023**

- Built a GIF Generator that displays random GIFs and also allows searching GIFs for specific topics.

TECHNICAL SKILLS

Languages: C, java, JavaScript
Technologies/Frameworks: HTML5, CSS3, Tailwind, React, NodeJS, Express
Developer Tools: GIT, GitHub, MySQL,Postman, VS Code, IntelliJ IDEA, Linux
DataBase: SQL, MongoDB

EXTRACURRICULAR AND ACHIEVEMENTS

INVITARE'23 (Hackathon) ↗ **Apr 2023**
Team Leader *Kolkata*

- Secured **1st position** in this intra-college Innovative Project Competition.
- We built a **Gesture Control** system using **Python** and **Arduino** to interact with computer system.

INVITARE'22 (Hackathon) ↗ **Mar 2022**
Backend Role (Hardware) *Kolkata*

- Secured **2nd position** in this intra-college Innovative Project Competition.
- Upgraded the **Gesture Control** project and added **Voice control** feature for gesture and spoken commands.

Hackbyte 2.0 (Hackathon) ↗ **Apr 2024**
Backend Role *Jabalpur, Madhya Pradesh*

- Selected in the Hackbyte 2.0 at IIITDM, Jabalpur, MP, sponsored by MLH.