



Manish Jangir

Roll No.:220122033

B.Tech - Chemical Science and Technology

Indian Institute Of Technology, Guwahati

+91-9649211944

m.jangir@iitg.ac.in

manishjangir139@gmail.com

Github | Website | LinkedIn

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.09 (Current)	2022-Present
Senior Secondary	RBSE Board	93.4%	2022
Secondary	RBSE Board	94.0%	2020

PROJECTS

- **UR VDO — A Scalable Video Streaming Platform with Tiered Access** Github link
A Full-stack video platform with adaptive streaming and subscription features
 - Built a full-featured video platform using **React.js** and **Node.js/Express** with **JWT-based auth**.
 - Integrated **Razorpay** for handling premium subscriptions with automated **PDF invoice emails**.
 - Used **MongoDB** and designed REST APIs for videos, likes, comments, and subscriptions.
 - Leveraged **ipapi** to choose **OTP delivery (SMS/email)** based on user **timezone and location**.
 - Implemented adaptive streaming with **FFmpeg** to support 480p/720p/1080p video quality switching.
- **CreatorConnect — A Direct Support Platform for Creators** Github link
Crowdfunding-style platform enabling fan-to-creator payments
 - Built using **MERN stack** with **Next.js** for server-side rendering and performance optimization.
 - Implemented **NextAuth** for secure and seamless user authentication and authorization.
 - Integrated **Razorpay UPI** to facilitate direct and reliable fan-to-creator payments.
 - Designed for scalability and full **mobile/desktop responsiveness** to enhance user experience.
- **PathVisual — Real-time Pathfinding Visualizer** Github link
Interactive tool for visualizing Dijkstra's algorithm on a dynamic grid
 - Built an **interactive visualizer** using **React** to demonstrate **Dijkstra's algorithm** in real-time.
 - Enabled users to **dynamically place** start/end nodes and obstacles on a grid via drag-and-drop.
 - Used **React state management** for real-time updates and **CSS animations** for visual feedback; UI styled with **Material-UI**.
- **WeatherNow — Real-time Weather Forecast App** Github Link
Responsive weather dashboard using AccuWeather API
 - Built a **responsive** weather app with **Vite**, **React**, and **Tailwind CSS** for live city-based forecasts.
 - Integrated the **AccuWeather API** to display temperature, humidity, and conditions with **error handling** for invalid inputs and network issues.
 - Configured a backend **proxy server** to resolve **CORS** issues and used **Axios** for seamless data fetching.

TECHNICAL SKILLS

- **Programming:** C/C++, Python, JavaScript
- **Web Development:** HTML, CSS, Bootstrap, TailwindCSS, React, Node.js, Next.js, Express.js, Vite
- **Database Management and Queries:** SQL, Mongoose, MongoDB
- **Miscellaneous:** Git, Github, Fusion, Manufacturing

KEY COURSES TAKEN

- **Computer Science:** Introduction to Computing (Theory and Lab)
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, MongoDB
- **Basic Course:** Basic Calculus, Theory of special relativity, Basic electronics
- **Blockchain and Web 3.0:** Blockchain & Web3.0: A Beginner's Guide

POSITION OF RESPONSIBILITY

- **WebOps Head, CheSTA** - Student Body of Chemistry Dept. (CST) July 2025 - Present
 - Managed and updated the website for all 4 B.Tech batches.
 - Posted events, notices, and coordinated updates with students and faculty.

ACHIEVEMENTS AND EXTRACURRICULAR

- **Problem Solving:** Solved **800+** coding problems across major platforms: **Codeforces** (Manish_Jangir — 330+ problems), **LeetCode** (ManishjangirIITG — 315+ problems), **GeeksforGeeks** (user_xhg4updvb8h — 140+ problems).
- **Organizer:** Successfully organized a national-level robotics event at **Techniche 2023** in collaboration with the **IITG Robotics Club**.
- **Member:** Actively contributed to the design and development in the 'Yuvan' project as part of the **Robotics Club, IIT Guwahati**.