



Manish Jangir

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B.Tech - Chemical Science and Technology

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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
 - Developed a complete video platform with **React.js** and **Node.js/Express**, securing access using **JWT authentication**.
 - Integrated **Razorpay** for premium subscriptions and **automated invoice emails**, supporting streamlined payments.
 - Designed and built **REST APIs** using **MongoDB** for videos, likes, comments, and robust subscription management.
 - Leveraged **ipapi** to intelligently select **OTP delivery** via **SMS** or **email** based on user **timezone and location**.
 - Enabled **adaptive streaming** through **FFmpeg**, allowing viewers to switch easily between 480p, 720p, and 1080p.
- **CreatorConnect — A Direct Support Platform for Creators** [Github link](#)
Crowdfunding-style platform enabling fan-to-creator payments
 - Built the platform with **MERN** stack and **Next.js**, using server-side rendering to boost load speed and performance.
 - Implemented **NextAuth** with Next.js for secure, seamless user authentication and smooth authorization flows.
 - Integrated **Razorpay UPI** payment system within Next.js to enable fast, reliable fan-to-creator transactions.
 - Designed the system for smooth **scalability** and ensured full **responsiveness** across all mobile and desktop platforms.
- **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 effectively demonstrate **Dijkstra's** path algorithm in real time.
 - Enabled users to **dynamically** place start and end nodes as well as obstacles on a grid using drag-and-drop controls.
 - Used **React state management** for real-time updates and **CSS animations** for visual feedback; with **Material-UI**.
- **WeatherNow — Real-time Weather Forecast App** [Github Link](#)
Responsive weather dashboard using AccuWeather API
 - Built a **responsive** weather app using **Vite**, **React**, and **Tailwind CSS** to deliver live, city-based weather forecasts.
 - Integrated the **AccuWeather API** to retrieve and display temperature, humidity, and detailed weather conditions, with robust **error handling** for invalid inputs and network issues to maintain smooth, reliable app performance.
 - Configured a backend **proxy server** to handle **CORS** issues and employed **Axios** for efficient, 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
- **Agentic AI:** From Learner to Builder – Become an AI Agent Architect

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** with the **IITG Robotics Club**.
- **Member:** Contributed to design and development in the **'Yuvan'** project as part of the **Robotics Club, IIT Guwahati**.