



Kshitij M Gajbhiye

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B.Tech - Electronics and Electrical Engineering

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Github | Portfolio | LinkedIn

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.28 (Current)	2022-Present
Senior Secondary	CBSE Board	96.6%	2022
Secondary	CBSE Board	95.2%	2020

PROJECTS

• Memories Website

Personal Project

May 2024

Github , Website

- Developed a comprehensive Fullstack Memories Website enabling users to share and preserve their memories.
- **Technologies Used:** Engineered the frontend with **ReactJs**, **Tailwind CSS**, and **Material UI** for a modern and efficient design. Utilized **Redux Toolkit** for state management and **Axios** for API calls. Implemented the backend with **NodeJs** and **Express**, and managed the database with **MongoDB**, **Multer**, and **Cloudinary API**.
- **Features:** Implemented pagination, comment functionality, memory search, authentication using **jwtDecode** and **Google OAuth**, as well as the ability to like, delete, and edit memories.
- **Performance Optimization:** Enhanced the **memory liking feature**, reducing the response time from **3-4 seconds** to under **0.1 seconds**, significantly improving user experience.

• Robotics 101 Course Website

Robotics Club, IIT Guwahati

May 2024 - Ongoing

Github , Website

- Developed a comprehensive educational platform to provide various robotics-related courses, including **IoT**, **ROS**, **OpenCV**, and **Fusion 360**.
- **Technologies Used:** The website is build using **ReactJs** and **Tailwind CSS**.
- **Features:** Implemented smooth transitions between different courses and integrated the YouTube API to fetch video titles.

• Currency Convertor Extension

Personal Project

June 2024

Github

- Developed a **MANIFEST V3** Chrome extension to convert currencies into native currency, supporting **161 different currencies** to ensure comprehensive global usability.
- Utilised **ExchangeRate API** to fetch latest exchange rates and performed **DOM manipulation** to inject the converted prices into the active website.

TECHNICAL SKILLS

- **Programming Languages:** C++ , JavaScript
- **Web Technologies:** HTML, Tailwind CSS, ReactJS*, NodeJS*
- **Database:** MongoDB*, MySQL*
- **Operating System:** Windows, Linux*
- **Miscellaneous** GIT, Fusion 360, Arduino*

ACHIEVEMENTS

* Elementary proficiency

- **Inter IIT Tech Meet 12.0:** Secured **Silver Medal** in low prep Product Design Challenge among **22 IITs**. 2023
- **Branch Change:** Changed branch from **Mechanical Engineering** to **Electronics and Electrical Engineering**. Among top **10%** students in branch. 2023
- **Kriti:** Secured **2nd position** in the **Buggy Escapade** PS at the Inter-Hostel Technical Competition. 2024
- **JEE Advanced:** Secured AIR **4524** among **0.15 million** candidates 2022
- **JEE Mains:** Secured AIR **6729** among **1.1 million** candidates 2022
- **CGPET:** Secured **4th** rank in state PET. Topped in District. 2022
- **Nationals:** Participated in **State** and **National** Level Lawn Tennis Competition. Secured **1st position** in 17-th State level Lawn Tennis tournament. 2016 - 2017

KEY COURSES TAKEN

- **Mathematics:** Linear Algebra, Basic Calculus, Differential Equations
- **Computer Science:** Introduction to Computing
- **Electronics Core:** Digital Electronics, Signals and Systems

POSITIONS OF RESPONSIBILITY

- **Web Development Head:** Robotics Club, IIT Guwahati

Apr. 2024 - Present

EXTRA-CURRICULARS

- **Organiser:** Organised Track Titans Buggy Racing Event under Techniche, Technical Fest of IITG.