

# Siddhant Janbandhu

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## Education

**Indian Institute of Information Technology, Bhopal (IIIT Bhopal)**

Aug. 2019 - May. 2023

B.Tech in Information Technology

**GPA: 7.19/100**

Relevant Courses: Data Structure, Design and Analysis of Algorithm, Object-Oriented Programming, Database Management Systems, Computer Network, Operating System, Software Methodology

## Experience

**Nxtwave**

Oct. 2024 - Present

**DSA Content Development Intern**

*C++, Python, Java*

- Created 50+ high-quality questions on Data Structures and Algorithms using C++, Python and Java, increasing learner engagement by 25%.
- Collaborated with content teams to refine materials, ensuring 95% accuracy and clarity in educational resources.

**Cubastion Consulting Pvt. Ltd.**

Oct. 2023 - Jan. 2024

**Graduate Trainee Engineer**

*ReactJS, HTML, CSS, JavaScript*

- Completed an intensive training program in React, focusing on building single-page applications (SPAs) and dynamic user interfaces.
- Enhanced user accessibility through responsive design principles and ensured high-quality code by leveraging Git for version control and participating in regular code reviews.

## Projects

**Doodle AI**

**AI Image Platform**

*Next.js, TypeScript, MongoDB, Clerk, Cloudinary, Shadcn, TailwindCSS*

- Designed and developed an AI-powered image processing platform with advanced features such as restoration, recoloring, object removal, generative filling, and background removal, ensuring a seamless user experience with responsive UI/UX.
- Integrated Cloudinary for scalable image storage and advanced search functionality, allowing users to manage, explore, and download transformed images while maintaining a clean and reusable code architecture.

**DocuSync**

**Online Document Editor**

*React.js, JavaScript, HTML, CSS, Socket.io, MongoDB, QuillJS, Git, GitHub*

- Developed a collaborative Online Document Editor with ReactJS and Socket.io, enabling real-time editing and improved user collaboration.
- Integrated MongoDB for reliable document storage and retrieval, ensuring efficient performance.
- Implemented QuillJS to deliver a feature-rich text editor, enhancing user experience and usability.

**AlgoVision**

**Sorting Visualizer**

*ReactJS, JavaScript, HTML, CSS, Git, GitHub*

- Built AlgoVision, a web application that visualizes sorting algorithms like Bubble Sort, Quick Sort, and Merge Sort, offering an interactive platform to enhance user understanding.
- Designed a responsive interface using HTML and CSS for an optimal experience across devices.
- Leveraged ReactJS for efficient state management and dynamic rendering of sorting processes.

## Skills

**Programming Languages:** Python, C++, SQL, HTML, JavaScript, TypeScript

**Frontend:** React.js, Next.js, TailwindCSS

**Backend:** Node.js, Express.js, Flask, Django, Microservices, RESTful APIs

**Database:** MongoDB, MySQL

**Tools:** Git, GitHub, Postman