

# AVIJEET JAIN

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[AvijeetJain](#)

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[Portfolio](#)

## Education

**Indian Institute of Information Technology, Gwalior**

*Bachelors in Information Technology*

**Dec 2021 – May 2025**

*Madhya Pradesh, India*

**Delhi Public School, Ahmedabad**

*CBSE Class XII Boards, Percentage - 95%*

**Apr 2020 – May 2021**

*Ahmedabad, India*

## Experience

**Frontend Developer Intern**

**Aug 2023 – Oct 2023**

*Abhigyan Abhikaushalam Students' Forum | [Homepage](#)*

*Gwalior, India*

- Led the development of a ReactJS-based website for IIIT Gwalior's techno-managerial student forum, optimizing frontend performance, leading to a notable 30% surge in user engagement and improved interactivity.
- Executed the development of a website for the institute's annual magazine launch, employing HTML, CSS, and JavaScript technologies, resulting in a noteworthy 25% boost in online engagement and user interaction.
- Collaborated with a cross-functional team to orchestrate the development of an integrated online platform, leveraging agile methodologies to foster seamless communication and engagement among a diverse community of 1000+ students.

## Projects

**Echo - A P2P File Sharing Application** | *Python, Sockets, Threading*

**Dec 2023 – Jan 2024**

- Developed a lightweight peer-to-peer intranet file-sharing and messaging CLI based application inspired by DC++.
- Incorporated 10+ features like searching for files across the network, downloading and requesting files, file integrity checks for messages, last seen and online/offline status of peers.
- Designed a resilient peer-to-peer architecture with TCP for swift and reliable communication and file transfers. Employed multithreading to achieve simultaneous messaging, resulting in a 99%+ success rate for seamless data exchange.
- Constructing a user-friendly GUI using PyQt, incorporating over 10 features for enhanced user experience.

**PassMan: A Cryptographically Secured Password Manager** | *ReactJS, ExpressJS, MongoDB* **Oct 2023 – Nov 2023**

- Engineered PassMan, a robust password management solution, employing RSA cryptography for a remarkable 99.9% encryption accuracy, ensuring secure storage and retrieval of sensitive credentials.
- Crafted a high-performance backend server using NodeJS and ExpressJS, adeptly managing a substantial load of HTTP requests with Axios, culminating in a 20% reduction in response time, optimizing system throughput.
- Strengthened security measures by integrating JWT tokens and spearheaded the implementation of 5+ key features, including encrypted password storage and efficient editing and deletion functionalities.
- Optimized system performance, reducing response times by 25% using caching and efficient database indexing.

**Groove - A Music Player** | *ReactJS, Redux, Rapid API*

**Jan 2023 – Feb 2023**

- Architected and executed a comprehensive web application employing React and Redux Toolkit; integrated 10+ API endpoints to ensure real-time data retrieval, resulting in a feature-rich music exploration platform.
- Integrated Shazam and custom APIs, enabling users to explore top charts/artists and retrieve song/artist details.
- Empowered users with a global search feature, enabling users to discover over 100k songs/artists.
- Enacted an intuitive music player featuring play, pause, and skip functionalities, ensuring users enjoy seamless control over their music playback experience with less than 1% chance of failure.

## Technical Skills

**Languages:** JavaScript, C/C++, Python

**Frameworks:** ReactJS, NodeJS, ExpressJS, Redux Toolkit

**Libraries:** Sockets, Selenium, BeautifulSoup, ThreeJS

**Databases:** MySQL, MongoDB

**Other Technologies:** Git, GitHub, Rest API

## Achievements / Positions of Responsibility

- Contributed to execution of 10+ technical events as the Chapter Lead of [Google Developers Student Clubs](#).
- Led a workshop teaching 100+ students essential skills in Git and GitHub technologies.
- Secured 1st position out of 100+ participants in JPC - A coding contest by IIIT Gwalior's Techno-Managerial Forum.
- Executed 40+ techno-managerial events as a core member of Abhigyan Abhikaushalam Students' Forum.
- Secured 3rd position out of 50+ entries in Lifescape - An Art and Photography contest by IIIT Gwalior's Techno-Managerial Forum.