

# DRUPHAT

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**Amritsar, Punjab, India**

September 2020 – June 2024

**Pathankot, Punjab, India**

April 2018 – March 2020

**Pathankot, Punjab, India**

Till March 2018

## Education

### Guru Nanak Dev University

Bachelor of Technology in Computer Science and Engineering; CGPA:(8.56/10)

### Christ The King Convent School

Grade 12; Non-Medical; Percentage: 82

### Christ the King Convent School

Matriculation General Subjects; Percentage: 80

## Technical Skills

- Programming Language:** Java | C++ | JavaScript | Python
- Frontend & Database:** HTML | CSS | React JS | Node JS | Express | Bootstrap
- Collaboration Tools:** VS Code | GitHub | Git
- Database:** SQL | Mongo DB

## Projects

### Deal Dome || Frontend Project || Websites Link

- Facilitated an E-Commerce website that offers a smooth and easy online shopping experience, featuring user-friendly navigation, significantly faster loading times and convenient product filters to enhance your experience.
- Utilized technologies: React JS, JavaScript, Auth0, Redux.

### WebChart app || Website Link

- MERN Stack Web App that allows users to chat in group and one-to-one, uses Socket.io for real-time messaging, presence and online status, typing Indicators and more
- Allows users to videocall (one-to-one) using WebRTC.

### Editor for React JS, CSS & HTML || Frontend Project || Website Link

- Implemented a revolutionary social development environment for front-end designers, resulting in a 50% reduction in development bottlenecks, a 20% increase in a code quality, and a 15% improvement in overall project delivery time.
- Developers, revolutionizing the website building process and inspiring creativity among users, resulting in a 30% boost.

### Text To Speech C++ || GitHub Link

- Implemented a Text-to-Speech solution in C++ by leveraging cutting-edge tools and libraries, resulting in a 30% reduction in error rate and delivering high-quality audio output.
- Led the implementation of a highly efficient Text-to-Speech solution in C++, which reduced the error rate by an impressive 30% and delivered high-fidelity audio output

### Encryption and Compression || DSA || Link

- Spearheaded a cutting-edge project that integrated string encryption, compression, decompression, and decryption to fortify data privacy and optimize data handling processes, ensuring seamless data transformation throughout the organization.
- Supplied RSA algorithms and Huffman coding in C++ and Endowed SHA-256and SHA-512 in C++.

**College Space || Link** - Deployed a fully functional, responsive, and website using HTML, B5, NodeJS, Express, MongoDB, and Mongoose, optimizing user experience and leading to a 15% increase in customer retention. Complete a website using resulting in a seamless user experience and increased customer engagement by 40%.

## Certifications

1. Codekaze-June'23 Round 1 link
2. Data Structure Advanced and Algorithms in C++ link
3. Certifications in C++ link
4. Certification in Advanced C++ link
5. Certification in JavaScript link
6. Certification in React JS link
7. Certification in Web-developer link

## Co-Curricular

- Cleared the NDA-144 national level examination.
- Attained Merit in Higher Secondary and Senior Secondary Exam.
- Demonstrated artistic excellence by achieving third place in community art competitions; captivated audience with expressive brushwork and surpassing 30+ talented participants.
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## Experience: CSIR-CSIO:

Research Intern Jan 2024 – present

- Developed Frontend infrastructure using HTML, CSS and JS, integrating Machine Learning algorithms to optimize data processing and increase system performance by 40%.
- Bharat Intern: September 2023

- Collaborated with cross-Functional teams to deliver a robust e-commerce platform, resulting in a 20 % increase in online sales and a 15% improvement in conversion Rate during an impactful web development internship