

# Ajay Kumar Yadav

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## EDUCATION

**National Institute of Technology (NIT)**  
*B.Tech in Information Technology CGPA: 7.49/10.00*

Jalandhar, Punjab  
Dec 2021 – Jul 2025

**Army Public School**  
*High School (PCMB) Percentage: 94.4*

Pathankot, Punjab  
Apr 2019 – Mar 2020

## SKILLS

**Programming:** C, C++, Java, Python, R, Git/Github  
**Technologies:** CSS, Javascript (and TypeScript), **NodeJs**, MongoDB, **ReactJs**, **NextJs**, **Docker**  
**Libraries:** Tailwind, jQuery, ExpressJs, Mongoose, Bootstrap, TensorFlow, NumPy, Pandas, Matplotlib, Seaborn  
**Languages:** Hindi (Native), English (Professional)

## EXPERIENCE

**Sree2024 Website** | [GitHub](#) | [Website](#)

- Developed and hosted a Next.js website for an international conference hosted by the Department of Chemical Engineering and Centre for Energy and Environment.
- Achieved Web Vital Ratings: **SEO 100, Performance 98, Best Practice 96**
- Optimized key metrics: **FCP 1.1s, LCP 2.1s, CLS 0, TBT 30ms, speed Index 2.9s**

**Hacking health website** | [GitHub](#) | [Website](#)

- A NextJs Hackathon website
- Achieved Web Vital Ratings: **SEO 96, Performance 95, Best Practice 100**
- Optimized key metrics: **FCP 1.2s, LCP 2.3s, CLS 0.001, TBT 40ms, speed Index 3.2s**

## PROJECTS

**AI Image Generating Website** | [GitHub](#)

- Utilized a tech stack including **React Js, Node Js, MongoDB, Cloundinary, and DALLE 2.0** API to develop this web applications.
- The website leverages DALL-E, an advanced image generation model, to empower users in creating unique images from prompts, fostering creative expression and enabling personalized content generation.
- Users can seamlessly share their generated images with a wider audience via the website's sharing functionality, facilitating the showcase of their creative creations.

**Sumz** | [GitHub](#) | [Website](#)

- A web application **ReactJs and Redux** project that allows users to input website links, harnessing the power of AI to extract and summarize relevant information from webpages. This technology stack ensures efficient data processing and presentation.
- Integrated a sharing feature, enabling users to easily distribute the summarized webpage content with others, promoting efficient information sharing and collaborative efforts. This enhances accessibility and collaboration among users.
- SEO 100, speed Index 3.3s, LCP 3.1s**

**MERN + Docker Calendar** | [GitHub](#) | [Website](#)

- Developed a daily calendar system to centralize and streamline information on academic, sports, club activities, and placement events within the institute.
- Enhanced accessibility for students by providing options to view schedules on a daily, weekly, and monthly basis.
- Implemented Client Side filtering (as database in small) can be easily switched to Server Side Filtering.
- Completely **Dockerized** the application, ensuring easy setup on local machine
- Hosted the backend infrastructure as a **Docker image**
- Achieved Web Vital Ratings: **SEO 99, Performance 100, Best Practice 100**
- Optimized key metrics: **FCP 609ms, LCP 701s, CLS 0, TBT 0ms, speed Index 701ms**

## ACHIEVEMENTS

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### **Achievements:**

- Achieved an All India Rank (AIR) of 207 in the IISER (Indian Institutes of Science Education and Research) Amplitude Test in 2021.
- Hold a 5-star rating as a C++ programmer on HackerRank.
- Successfully solved over 500+ questions on Leetcode and GeeksforGeeks, showcasing proficiency in various programming and algorithmic challenges.

### **Club Involvement:**

- Actively contributed as a core member of the Google Developer Student Club, engaging in tech-focused initiatives and projects.
- Actively participated in robotics-related projects and activities as a core member of Rtist (Robotics Club).
- Core member of Zeal Society, actively involved in activities related to improving speaking skills, particularly in English, highlighting my commitment to enhancing communication abilities.