

# Yash Goswami

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Bundi, Rajasthan - 323601

## STATEMENT OF PURPOSE

A pre-final year undergraduate enthusiastic about Full-stack Web Development, looking for an internship opportunity to apply my skills, contribute to impactful projects, and acquire hands-on experience in a fast-paced and innovative workspace.

## EDUCATION

### • Bachelor of Technology

Electronics and Communication Engineering

Nov, 2022 - present

Indian Institute of Information Technology Senapati, Manipur

CGPA : 7.09 (Till 6th Semester)

Semester wise performance:

Semester	1st	2nd	3rd	4th	5th	6th
SGPA	5.65	7.46	7.53	6.57	7.73	7.65

### • Central Board of Secondary Education

ICS, Kota

2021

◦ Grade: 87.4%

### • Central Board of Secondary Education

ICS, Kota

2019

◦ Grade: 80.9%

## SKILLS

- **Programming Languages:** C, C++, Javascript, Python
- **Web Technologies:** React, NodeJs, ExpressJs
- **Database Systems:** MongoDB, MySQL
- **Operating systems & Version control:** Linux(Ubuntu), Windows, Git, GitHub.
- **Relevant Courses:** DSA, OOP, DBMS, OS.
- **Editing Skills:** Canva, Figma

## EXPERIENCE

### Quantum Computing Intern

(Onsite) - May, 2025 - July, 2025

Defence Research and Development Organisation (DRDO), India

- Focused on photonic quantum computing, studying fundamental concepts and simulating key quantum algorithms.
- Implemented algorithms like Quantum Fourier Transform, Bernstein-Vazirani, and basic logic gates using the Perceval framework.
- Gained hands-on experience in simulating quantum circuits and visualizing quantum states using Python-based tools.

### • Content Team Lead

(Remote) - June, 2024 - Feb, 2025

IIITians Network

- Led a team of 8 content writers, planning and reviewing high-quality technical and non-technical content.
- Coordinated weekly content strategy and publication schedules, improving consistency and reader engagement.
- Contributed to the platform's steady growth by enhancing article quality and team productivity through structured feedback and mentoring.

## PROJECTS

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### • RailGuard

Tools: [Firebase, Html, CSS, Javascript, Micro Python]

- Developed a real-time IoT-based railway gate automation and alert system using ESP32 microcontroller and multi-sensor inputs.
- Implemented Firebase cloud integration for live data logging, event timestamps, and remote monitoring.
- Designed and deployed a mobile-responsive web dashboard for real-time train alerts and gate status updates.
- Simulated and validated system functionality using Wokwi, ensuring accurate train detection and ETA estimation.
- Addressed rural challenges like power outages and poor connectivity through solar backup and offline operation modes.

## LEADERSHIP EXPERIENCE

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- **Lead - Design Team | AHOUBA'24** April, 2024  
*Annual Cultural & Technical Fest, IIIT Senapati, Manipur*
  - \* Led the design team, managing task delegation, team coordination, and ensuring delivery of high quality posts on social media
- **Lead - Design Team | AHOUBA'25** April, 2025  
*Annual Cultural & Technical Fest, IIIT Senapati, Manipur*
  - \* Led the Ahouba's Design Team at IIIT Manipur, overseeing photo editing, video editing, content refinement, and ensuring high-quality digital output for events and initiatives.
  - \* Collaborated with event organizers and content creators to align editing styles with the event themes and branding.

## CERTIFICATIONS

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- NPTEL: [Deep Learning](#)
- NPTEL: [Cyber Security and Privacy](#)

## ADDITIONAL INFORMATION

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**Languages:** English (Professional), Hindi (Native), Japanese (Beginner)

**Interests:** Rapping, Sketching, Photo Editing, Video Editing, Content Writing, Cinematography.