

# AMAN YADAV

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## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

Roorkee, Uttarakhand

III year(VI semester), Bachelor of Technology in Biosciences And Bioengineering

2022-2026

CGPA: 6.929

### ST XAVIER'S HIGH SCHOOL

Balrampur, UP

CLASS XII(Percentage 86.9), CLASS X(Percentage 92.0)

Graduated 2021

## SKILLS

**Languages:** Typescript, Javascript, C++, Python

**Software Packages:** NextJs, ReactJs, PrismaOrm, Cloudflare, PostgreSQL, MongoDB, Redis, Redux, ExpressJs, Flask, NodeJs, TailwindCSS, REST API.

## INTERNSHIP EXPERIENCE

### Frontend-Development | INCO

March 2024 - May 2024

- Completed an internship focused on frontend development for a privacy-oriented decentralized application (dApp)
- Designed and implemented user interfaces using **React.js** and **TailwindCss**, ensuring a seamless and responsive experience while adhering to best practices in web development and decentralized technologies

### Software Development | CreaxOs

September 2024 - April 2025

- Built a robust state management system with **Redux**, ensuring consistent and predictable application behavior across complex widget interactions.
- Developed a cross-platform desktop application using **Electron.js**, **React**, and **Tailwind CSS**, delivering a modern, responsive UI experience.
- Analyzed and intercepted **Twitter and Instagram APIs** through a **proxy server**, extracting API response data to optimize insights

## PROJECTS

### Ketamind-AI-Powered SaaS for Habit Building | Self-Project | [Github-Link](#) |

April 2025

- Developed **KETAMIND**, an AI-powered SaaS platform designed to help users build or break habits through personalized, actionable instructions grounded in principles from *Atomic Habits*.
- Integrated an AI agent using **n8n**, which retains contextual awareness and initiates automated reminder calls at scheduled times to reinforce habit formation.
- Built using **Next.js**, **Supabase**, and **n8n** (triggered via webhooks); designed for seamless automation, personalized habit tracking, and real-time engagement.

### Becha-Ai powered chat interface | Self-Project | [Github-Link](#) | [Deployment-Link](#)

May 2025

- Built a real-time AI-driven content editor and context updater tailored for customer support workflows, enabling seamless draft generation and editing within a chat interface.
- Leveraged **Next.js** and **WebSockets** to implement live context updates and interactive editing powered by AI for enhanced productivity and response quality.

### Sql Agent | Self-Project | [Github Link](#) | [Deployment Link](#)

May 2025

- Developed an AI agent that translates natural language queries into SQL, executes them on a database, and displays the results on the frontend for intuitive data interaction.
- Gained hands-on experience in **prompt engineering**, optimizing query input for higher AI accuracy, and parsing AI-generated responses into structured, usable formats.
- Built using **Next.js** for a responsive and interactive user interface.

### Automatic GitHub PR Review System | Self-Project | [Github Link](#) | [Deployment Link](#)

May 2025

- Developed a system that automates pull request (PR) reviews using AI. Users authenticate via GitHub OAuth, after which their token is securely stored and a webhook is created to monitor PR events.
- Upon a new PR, the system retrieves the PR data, leverages **Mistral's AI model** to generate a review, and posts it as a comment using the **GitHub API**, streamlining the code review process end-to-end.
- Built using **Next.js** for a responsive and interactive user interface, and **NextAuth.js** for secure user authentication.

#### Chrome Extension | Tinkering Lab, IIT Roorkee | [Github-Link](#)

June 2024

- Created a **Web annotation** chrome extension that enhances productivity and organization for researchers, students, and professionals by providing a robust tool for web-based note-taking and content management
- Utilized **JavaScript** for functionality, **CSS** for interface design, **Local Storage** for data persistence, **html2pdf.js** for export capabilities and **XPath** for DOM manipulation

#### WorkChain | Self-Project | [Github-Link](#)

July 2024

- Built a decentralized platform inspired by Fiverr to improve trust and transparency between clients and freelancers.
- Integrated **smart contracts** to manage secure payments and dispute resolution, leveraging the **MERN stack** and **blockchain** for end-to-end transparency in service agreements and transactions.

#### Digital Menu System | GDSC, IIT Roorkee | [Github-Link](#)

July 2024

- Created a **QR-based menu and ordering system** for restaurants to digitize the dining experience..
- Features include **item selection**, **custom instructions**, **real-time order tracking**, order history, and customer feedback through ratings and comments — enabling a frictionless dining experience

### ACHIEVEMENTS

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- Received a Letter of Appreciation from the Head of Department for outstanding performance in the Spring Semester 2022-2023.

### POSITIONS OF RESPONSIBILITY/EXTRACURRICULARS

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#### • Volunteer | Cognizance IITR

I have extensive experience as a designer, specializing in creating banners and posters using Illustrator. My designs prominently feature sponsorship company names. Additionally, I managed the event section and invited attendees to Cognizance 23.

#### • Volunteer | National Service Scheme, IIT Roorkee

I worked in the primary education vertical at NSS, teaching students.

#### • Executive Member | IIC-Institute Innovation Council

Served as an executive member in the institute council, managing web projects and enhancing digital communication.