

# DHARMESH

Final Year Undergraduate

Electronics and Communication Engineering

Indian Institute of Information Technology, Kota

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 My Portfolio ([nunjafire.xyz](http://nunjafire.xyz))

Year	Degree/Certificate	Institute	CGPA/%
2025	B.Tech	Indian Institute of Information Technology, Kota	7.1/10.0
2021	CBSE(XII)	Yaduvanshi Shiksha Niketan, Narnaul	95.6%
2019	CBSE(X)	Yaduvanshi Shiksha Niketan, Narnaul	84.5%

## EXPERIENCE

### **YogLabs AI Research Foundation**

(Feb '25 - Present)

*Software Developer Intern.*

- Worked on an AI project at Yoglabs AI to help students track academic and skill progress. Conducted **surveys** in the initial months to validate the product's need.
- Designed a **microservice architecture** for the application. Developed the web interface using **React.js** for user interaction.
- Built and deployed **authentication** and **student services** using **Python**, hosted on **AWS Lambda**.
- Implemented an extraction service hosted on an **AWS EC2** instance.

## KEY PROJECTS

### **Reverb**

(Aug '24 - Present)

*ElectronJS, ReactJS, TypeScript, Framer Motion, NodeJS, TailwindCSS*

- Developed a powerful cross-platform **ElectronJS desktop application** designed for creators and educators.
- Enables users to produce **engaging tutorials and demos** by automatically generating zoom and pan effects based on mouse interactions.
- Supports **real-time on-screen annotations** using tools like pen and arrow for interactive presentations.
- Includes a built-in **Screenshot Editor** with crop and pixelate functionalities for instant visual editing.
- Offers seamless performance across **Windows, Linux, and macOS**.

### **Drapes UI**

(Ongoing – New background every week) *NextJS, TypeScript, TailwindCSS*

- Developed a collection of **ready-to-use, animated live backgrounds** for websites, built entirely on HTML Canvas with **zero external dependencies**.
- Provides a **built-in control panel** for real-time personalization of colors, speed, and effects to match any website theme.
- Enables instant integration via **simple copy-paste** code (available in both TSX and JSX formats).
- Delivers a **brand-new, high-quality background every week**, keeping projects visually fresh and modern.

### **Promanager**

(Mar '24 - Aug '24)

*React JS, ReactFlow, Framer Motion, Express JS, Socket.io, NodeMailer, AWS(S3), Mongoose.*

- Built a **Role-based access control (RBAC)** application using **ReactJS** for the frontend and **ExpressJS** for the backend.
- Implemented **Team management features** where someone can create a team and add/remove people, and all of them can work together on a project while getting email notification on task deadline and assignment.
- The projects can be organized using tools like a **Kanban board**, a **File sharing system** or a **Node-based workflow editor** to visualize the workflow.
- The tasks that are assigned to you through the team leader will be shown in your **Personalized kanban board**.
- The **Workflow editor** is built using **React flow**, and **Synchronized** with all the online users using **Socket.io**.
- The file sharing system is backed up by **AWS (S3)** where all the object files, like PDFs, images are stored.

## SKILLS

- Languages:** C/C++, Javascript, Typescript, SQL
- Frameworks and Libraries:** React JS, Next JS, Node JS, Express JS, Tailwind CSS, Socket.io, Jotai
- Utilities:** Git, AWS(S3, ECR, Lambda, API Gateway, App Runner), Docker, LATEX, Zsh, Linux, Neovim

## ACHIEVEMENTS

- Secured a position within the **top 10** in a CSS battle competition hosted on **cssbattle.dev**.
- Led **2** workshops on **Introduction to bash** and **Introduction to git** for 56 freshman students.
- Contributed to the **open source project next-saas-stripe-starter** by refactoring and simplifying the **react hooks** to improve code readability. 
- Built a **Language translator with speech synthesis** in 24 hours during **HackTheChain Hackathon** at IIIT Kota in 3rd semester.