# DHARMESH

Final Year Undergraduate
Electronics and Communication Engineering
Indian Institute of Information Technology, Kota

📞 +91-8307456753
✉ dharmeshwr@gmail.com
💼 My Portfolio (ninjafire.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*)
*Research 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

**Shift File Manager** ⌂ (*May'25 - present*)
*Electron JS, Electron-Vite, Jotai, TailwindCSS, Typescript.*
- Developed a **Desktop File Manager** to learn about file systems and how underlying management works.
- It has a sidebar with two views: one is a **Places view** showing XDG directories like Downloads, Pictures, and Documents, and the other is a **Directory tree**, similar to the one in VS Code, allowing deep navigation.
- The header includes **Navigation buttons** for going backward, forward, and directly to the home directory, along with a search bar for directly accessing a path.
- The footer displays the selected **file's size**, as well as the **total and free** disk space.
- It supports multiple themes, including **Gruvbox, TokyoNight, Nord, Solarized** and more.

**Promanage** ⌂ % (*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.

**Havns** ⌂ % (*Jun'23 - Oct'23*)
*Next JS, Tailwind CSS, Mongoose, Next Auth, Cloudinary, Leaflet, Strip API, Zoom API, Framer Motion.*
- Created a system using frontend framework **NextJS** where users can reserve halls for weddings, reunions, and other events.
- Users can explore images of venues uploaded to **Cloudinary** and view their locations using **Leaflet** for interactive maps.
- Before booking, users can take a **Virtual tour** of the venue via a **Zoom meeting** scheduled at a convenient time, with the meeting link generated by the application.
- Users can sign in using their **Credentials** or through **Google OAuth** for a seamless experience.
- Payments are processed securely through the **Stripe payment gateway**, and users can leave **reviews** to help others make informed decisions.

## 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.