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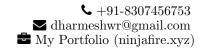
Final Year Undergraduate
Electronics and Communication Engineering
Indian Institute of Information Technology, Kota

☎ +91-8307456753
✉ dharmeshwr@gmail.com
💼 My Portfolio (ninjafire.xyz)

Year	Degree/Certificate	Institute	CGPA/%
2025	B.Tech	Indian Institute of Information Technology, Kota	6.9/10.0
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.

- Got a job where I'm involved in building a product from the ground up. During February and March, my team and I have been focusing on conducting market research and will begin development shortly.
- I conducted a survey on HR management and project management software to better align the two, aiming to make the recruitment process more efficient.

KEY PROJECTS

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.
- A **wishlist feature** allows users to save venues for later consideration.
- Users can also list their own venues by filling out a form and uploading images.

IP based Server and Client Model 🎧 *(Jun'24)*
C, sys/socket.h, linux/ip.h, unistd.h, arpa/inet.h.

- Developed a basic server and client system in **C** that communicates by sending messages using **IP packets**.
- Used raw sockets to directly interact with the network layer of the **OSI model**, bypassing higher-level protocols.
- Manually crafted **IP headers** to encapsulate data and transmitted them over raw sockets for low-level network communication.

SKILLS

- **Languages:** C/C++, Javascript, Typescript, SQL
- **Frameworks and Libraries:** React JS, Next JS, Node JS, Express JS, Tailwind CSS, Socket.io, Redux
- **Utilities:** Git, AWS(S3), Docker, LaTeX, Zsh, Linux, DWM, 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.