

# Shivansh Karan

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## EDUCATION

<b>Dayananda Sagar College of Engineering</b> <i>Bachelor of Engineering – Computer Science and Engineering</i>	Bengaluru, India 2022 – 2026
<b>HMR International School</b> <i>12th Standard</i>	Bengaluru, India 2020 – 2022

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, Go  
**Frontend Development:** React, Next.js, Tailwind CSS, Bootstrap, Redux  
**Backend Development:** Node.js, Express.js, Gin, FastAPI, Flask  
**ORM & Database Tools:** MongoDB, Firebase, Prisma, PostgreSQL, MySQL, SQLite  
**DevOps & CI/CD Tools:** Docker, GitHub Actions, Microsoft Azure, Cloudflare, Linux

## PROJECTS

- Mivro** | *Chrome Extension, Manifest V3, Content Scripts, Background Scripts, API Integration* [GitHub](#)
- Developed a web extension using Manifest V3 to display detailed **nutritional information on food products** across various websites, improving user experience by providing **instant visual feedback** on a product's nutritional score directly on the website for **quick assessment**.
  - Created a dynamic interface with injected CSS and JavaScript to display **product nutritional details**, including positives, negatives, and health risks, directly on the website for enhanced **user convenience**.
  - Implemented **secure communication** between content scripts and backend through a **background script**, adhering to **Manifest V3** requirements.
- JuRIDEX** | *Express.js, Node.js, MySQL, DBMS, Firebase Authentication, Maps API* [GitHub](#)
- Developed a Criminal Database Management System using **MySQL** for database management, designing and implementing schemas for efficient data storage and retrieval.
  - Created **RESTful APIs** with **Express and Node.js** to handle **CRUD operations**, ensuring robust and scalable server-side functionality.
  - Secured the application with Firebase authentication, **integrating maps** to visualize crime locations using latitude and longitude data.
- Digital Space** | *Next.js 15, TypeScript, Tailwind CSS, Cloudflare, DaisyUI* [GitHub](#)
- Developed a responsive personal portfolio website using Next.js 15, TypeScript, and Tailwind CSS, **implementing server-side rendering (SSR)** and **dynamic routing** to ensure seamless performance, scalability, and **improved SEO** compatibility.
  - Crafted an elegant and interactive UI with DaisyUI, leveraging Tailwind CSS for **streamlined component-based styling**, enabling **consistent theming** and a modern user experience.
  - Deployed on a **custom domain** using **Cloudflare**, enabling enhanced **DNS management**, **SSL**, **caching**, and **DDoS protection**. Hosted on Vercel to facilitate **effortless CI/CD integration**.
- Link - [shivanshkaran.tech](https://shivanshkaran.tech)
- Muncheese** | *Full-Stack, Next.js, Firebase, Tailwind CSS, API Development* [GitHub](#)
- Developed a dynamic, user-friendly web application using **Next.js and Tailwind CSS**, providing a seamless browsing and shopping experience with **responsive design** for mobile and desktop users.
  - Built **secure backend services with Firebase** (Firestore, Admin SDK) to handle **scalable data storage**, user authentication, and server-side operations, ensuring efficient API performance.
  - Engineered **RESTful APIs** for fetching category and item data, integrating **shadcn UI** for accessible components and leveraging Emotion for styling, enhancing accessibility and maintainability.
- Link - [muncheese.vercel.app](https://muncheese.vercel.app)

## ACHIEVEMENTS

- Secured 2nd place among 35+ teams in HACK-O-RAMA!, an 8-hour hackathon conducted by the CSBS department at DSCE. - February 2024
- Secured 3rd place among 300+ teams from 120+ institutions nationwide in DevHack, a 36-hour hackathon conducted at DSU - September 2024