

# Chandan Kumal

Full Stack Developer

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Gurgaon, Haryana

## EDUCATION

**Maharshi Dayanand University, Rohtak, Haryana**

Aug-2019-Sep 2023

Bachelor of Technology (Computer Science and Engineering) | **CGPA: 9.2**

### Secondary level

**The Pine Crest School, DLF-1, Gurgaon**

July-2017-Aug 2019

CBSE (Class-XII) Aggregate: **70%**

**Shree Bhairabkali Higher Secondary School, Lamjung, Nepal**

June 2017

NEB (Class - X) Aggregate: **75%**

## TECHNICAL SKILLS

**Language** : JavaScript, C++, Java ,C

**Frontend**: ReactJS, JavaScript, HTML5, CSS, Tailwind CSS, Redux

**Backend**: NodeJS, ExpressJS, RESTFUL API

**Database / DBMS**: MongoDB, MySQL

**Developer Tools**: Git, GitHub, VS-Code, Postman, MongoDB Compass

**Core CS**: Data Structure and Algorithms, Object Oriented Programming, Database management system, Computer Network, Software Engineering, Operating System

## PROJECTS

### MULTIVENDOR-MERN-E-COMMERCE APP ([Live Link](#)) - ([GitHub Link](#))

ReactJS, JavaScript, Redux, Node JS, Mongo DB, Express JS, Tailwind CSS

- Developed a large **scalable** full-stack platform using **MERN** Technologies which provides **advanced features** like user **Authentication** and authorization **designed** with NodeJS, ExpressJS, and MongoDB.
- **Analyzed** collected user needs and **proposed** product management through Dynamic **Admin Dashboard** using NodeJS and ExpressJS to improve category **performance**, and **implemented** an effective search bar.
- Acquired and assisted **cart functionality** to deliver the best user Interface and experiences.
- **Integrated** Stripe for order **real payment** processing to ensure **clients'** ordering requirements are fulfilled.
- Finalized qualitative **responsive design** and integrated a **Socket.io** for **Live Chat** Service.

### FOOD DELIVERY APP-FOOD VILLA ([Live Link](#)) - ([GitHub Link](#))

ReactJS, JavaScript, Redux, Node JS, Mongo DB, Express, Tailwind CSS, Jest, Parcel

- **Developed** a high-performing, **production-level** Food Delivery React App from Scratch.
- Employed **Redux** for data management and **Shimmer loading Effect** to handle user interaction.
- **Automated** fast loading using **Lazy Loading** reducing app load speed by 500ms to 200ms.
- Integrated Swiggy **Live API** very seamlessly and organized its **complex** data to be featured in app.

### BUILD A VIDEO-STREAMING PLATFORM-YOUTUBE ([Live Link](#)) – ([GitHub Link](#))

ReactJS, JavaScript, Redux, Node JS, Mongo DB, Express, Tailwind CSS

- **Optimized** app load speed to 200ms by **caching** data in redux store, implemented N-level **nested comments**, interfaced an **API Polling** for commenting, and **executed** a Search Suggestion using YouTube API V3.
- Facilitated property **search optimization** to **reduce network calls** using **debouncing** and cache management using the Redux store.

### GPT POWERED NETFLIX-NETFLIXGPT ([Live Link](#)) – ([GitHub Link](#))

ReactJS, JavaScript, Redux, Node JS, Mongo DB, Express, OpenAI, Firebase, Tailwind CSS

- Integrated a **G.P.T-3.5** featuring a movie **recommendation** system that suggests a diverse selection of **20+** movies & shows with all existing Netflix features.
- Maximized Firebase for user **authentication** and **integrated** TMDb **Restful API**, processing **30 requests** in 500ms, utilized **Tailwind CSS** for building a cool **User Interface** providing the best User Experiences.