Ritik Singh

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# OBjective

# Innovative software developer adept in frontend and backend development, seeking to apply skills in ReactJS, React Native, Node.js, and Go Lang. Eager to contribute to cutting-edge projects, leveraging expertise in software development. Thrives in collaborative, creative environments.

# skills

Frontend Development: ReactJS | React Native| Next.js | Redux | Tailwind CSS

Backend Development: Node.js | Express.js | Hygraph

Database Management: Firebase | MongoDB | Redis | SQL | PostgreSQL

Other Technologies: Cloudinary | C/C++ | Go Lang

DevOps & Deployment: Docker | Kubernetes | CI/CD

Version Control & Collaboration: Git/GitHub

Data Structures & Algorithms (DSA)

# projects

### [**ShareGo**](https://github.com/20RitikSingh/file-sharing) **Dec 2023 - Present**

### Currently developing a cross-platform file-sharing application in Go, compatible with**Linux, Windows, Android, and iOS.**

### Aiming to achieve remarkable transfer speeds exceeding **300 Mbps**

### Integrated a **QR code** feature for fast and seamless connections

### Focused on optimizing performance using **Go's concurrency features**

### In the process of establishing a **CI/CD** pipeline to **automate testing** and **deployment.**

### Implementing **TLS** for enhanced**security** during data transmission

### [**IIITM Mart**](https://github.com/20RitikSingh/iiitmart) **Feb 2024 - Present**

### Developed and collaborated on a **React Native** and **Expo** e-commerce app utilizing **GraphQL** and **Hygraph.**

### Integrated **Razorpay** payment gateway and **Clerk authentication** for seamless transactions and secure user authentication.

### Conducted local market demand and sentiment analysis to integrate with local vendors, optimizing product offerings.

### Contributed to the design and development of order pipeline, payment gateway and database design, aligning with project objectives and timelines.

### [**RSS Aggregator Server**](https://github.com/20RitikSingh/RSSagg) **Dec 2023**

### Developed a custom RSS aggregator server in**Go**

### Collaborated on integrating user **authentication** and **personalization** features.

* Although the UI is pending, designed the **backend logic** for future integration.
* **Successfully deployed and maintained** the server for reliable news content.
* Implemented features like feed **parsing, data storage, and retrieval.**
* Utilized**SQLC**and **PostgreSQL** for efficient database management.

### [**AI Image Generator**](https://dall-e-clone-6db9e.web.app/) **May 2023**

* AI Image Generation web App based on OpenAI's DALL-E v2 model
* Used **ReactJs** along **Tailwind CSS** to make a responsive frontend
* Created a **NodeJs + ExpressJs** backend API and Integrated OpenAI's API for   
  DALL-E v2 deep learning model
* Used**MongoDB + Cloudinary** for storing community feeds
* Hosted NodeJs application on**Render** and Integrated **firebase** Hosting for Scalable deployment of ReactJs build

\*The OpenAI API free tier has expired on 06/2023

# education

### **Integrated Dual Degree (B.Tech + M.Tech) in Information Technology**

### Indian Institute of Information Technology and Management (IIITM), Gwalior **Oct 2021 - present**

## Senior Secondary

### St. Fidelis Sr. Sec. School **April 2021**

# soft skills

Communication Skills | Problem-Solving Abilities | Teamwork and Collaboration | Time Management | Adaptability and Flexibility | Attention to Detail | Continuous Learning | Critical Thinking | Empathy | Leadership Skills