

# Gokul JS

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## PROFESSIONAL EXPERIENCE

### **Aerotime, Y Combinator (W21) | Founding Engineer**

November 2022 – January 2024 | San Francisco, California

- Spearheaded the complete management and enhancement of frontend infrastructure, significantly improving web application performance.
- Contributed to the development of a JavaScript SDK, facilitating third-party integrations and expanding application functionalities.
- Engaged directly with customers through discovery calls and feedback sessions, driving user-centric product development.
- Communicated critical user feedback to company founders, influencing strategic decision-making and problem-solving.
- Deployed and managed open-source large language models like LLaMA and Stable Diffusion, enhancing the company's AI capabilities.
- Employed advanced techniques from the Hugging Face library, including DreamBooth and Textual Inversion, to optimize AI model performance.
- Implemented comprehensive analytics and telemetry systems to analyze user interactions, leading to improved UI/UX design and user flow.
- Developed a sophisticated table with virtualization, efficiently managing large datasets while maintaining performance and responsiveness.

### **Tifin Fintech (Previously 1stMain) (Full stack Developer)**

March 2022 – November 2022 | Bangalore, India

- Spearheaded frontend development for TIFIN Wealth using Next.js and React.js, increasing productivity by 20% through strategic scaling and responsive design initiatives.
- Streamlined application state management by implementing Redux Toolkit, significantly enhancing workflow efficiency and contributing to a 15% increase in customer satisfaction through rigorous bug fixes.
- Fostered a 50% improvement in development turnaround by creating reusable React components and integrating APIs with GraphQL and React Query for optimal frontend functionality.
- Modernized the platform by migrating to updated codebases and translating complex wireframes into user-centric websites, maintaining full adherence to project timelines.

### **1stMain (Full stack Developer)**

November 2021 – February 2022 | Bangalore, India

- Leveraged in-depth React expertise to enhance lifecycle methods, boosting development efficiency by 40% and ensuring 100% compliance with project delivery schedules.
- Orchestrated the adaptation of over 50 client websites to meet evolving industry standards, facilitating clear communication among teams, clients, and stakeholders.
- Pioneered the integration of content management systems (CMS) like Strapi and Sanity, and executed seamless migrations between GraphQL and REST API, optimizing content flow and website interactivity.
- Collaborated with UI/UX teams to develop and deploy responsive, user-centric web applications using React.js, Gatsby.js, and Next.js, culminating in highly engaging interfaces that align with strategic visions.

## EDUCATION

### **B.E Computer Science and Engineering,**

CMR Institute Of Technology

2017 – 2021 | Bangalore, India

## SKILLS

### **Languages**

JavaScript, TypeScript, Python, HTML5, CSS, SASS.

### **Frontend**

React.js, Next.js 14, Gatsby, Vite, Redux, GraphQL, React Query, Radix, Material-UI, Bootstrap, styled-components, Tailwind CSS, shadcn/ui, DOM, Webpack, npm, Babel, Storybook, gasp, Three.js

### **Backend**

Node.js, Express.js, Django, Strapi CMS, Sanity CMS, Bull MQ, TypeOrm, Prisma, Git, Pandas, NumPy, Elasticsearch, Logstash, Kibana, Suricata, Zeek, Clerk (Auth)

### **Databases**

MySQL, MongoDB, PostgreSQL

### **Large Language Models and AI**

GPT-3.5, GPT-4, Retrieval-Augmented Generation (RAG), Stable Diffusion, Prompt Engineering, Prompt Evaluation, ComfyUI, AUTOMATIC1111, IP-Adapter, LlamaIndex.

### **Cloud and DevOps**

AWS S3, AWS EFS, AWS EC2, AWS SageMaker, Docker, GitHub CI/CD

## PROJECTS

### **Notion**

Discover Notion Clone, the modern and user-friendly productivity tool. Perfect for multitaskers and team leaders, it offers intuitive features and flexible templates. Enhanced by robust database tools and rich text/media integration, it ensures your projects are both efficiently managed and visually striking.

- **Tech Stack:** Next.js 14, Tailwind CSS, Clerk (Auth), Shadcn UI, Convex, Vercel, Zustand (State Management)

### **DiscoVerse**

DiscoVerse: A new communication platform mirroring Discord, offering robust text, voice, and video features for communities, gamers, and educators, designed for scalability and diverse user engagement.

- **Tech Stack:** JavaScript, Next.js 14, Shadcn UI, Tailwind CSS, Zustand (for global state management), Prisma, SQL (for database queries)

### **Advanced Image Generation: Fine-Tuning Stable Diffusion with DreamBooth Technique**

Developed a fine-tuning project for AI image generation using Stable Diffusion, DreamBooth, and Text Inversion, enhancing accuracy and creativity in visualizing text descriptions.

- **Tech Stack:** AWS EFS, AWS SageMaker, Notebook, Hugging Face, Diffusers, AWS Lambda, Stable Diffusion .