# ISHAN MOORJMALANI

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## Education

**Parul University** — June 2018 - June 2021
*Bachelor of Computer Application* — *Vadodara, Gujarat*

**Manipal University** — September 2022 - September 2024
*Master of Computer Application* — *Jaipur, Rajasthan*

## Experience

**ByteWeb IT Solutions** — January 2023 - August 2023
*Software Developer* — *Vadodara, Gujarat*

- Leveraged **full-stack development** expertise to craft **35+ RESTful APIs** using **Laravel**, successfully migrating legacy systems and demonstrating proficiency in **PHP**, **JavaScript**, and cutting-edge **web technologies**.
- Optimized **database performance** through advanced **ORM** techniques and efficient **query optimization**, significantly improving application responsiveness and enhancing scalability for high-traffic scenarios.
- Spearheaded critical **project migrations**, implemented **secure authentication systems**, and delivered comprehensive **API documentation**, showcasing strong **problem-solving skills** and a commitment to robust, **user-centric solutions**.

**Digital Web Weaver** — Dec 2020 – June 2021
*Software Developer Intern* — *Vadodara, Gujarat*

- Led the development of a comprehensive product showcase and inquiry management system, leveraging **full-stack development** skills to create **dynamic front-end interfaces** and **robust back-end architecture**.
- Implemented an intuitive content management system, enabling **real-time updates** to website elements, product catalogs, and user interactions, significantly improving **operational efficiency**.
- Engineered **data export functionalities** across multiple modules (products, categories, inquiries), enhancing **business intelligence capabilities** and streamlining **reporting processes**.

## Projects

**Nexus Chat** | *NextJS, Shadcn, ConvexDB*

- Developed a full-stack chat application using **React**, **Next.js**, and **Convex DB**, featuring real-time messaging, friend management, and group chat functionalities.
- Integrated **Clerk** for secure authentication and implemented a responsive UI with **Tailwind CSS** and shadcn, ensuring cross-device compatibility and user-friendly design.
- Leveraged **Convex DB's** real-time capabilities to create advanced features including instant message updates, read receipts, and accurate timestamps, enhancing overall user experience.

  ⌁ **Live Link** | ⌾ **Github Link**

**Airline Microservice Project** | *Node.js, Sequelize ORM, RabbitMQ, MYSQL*

- Architected and developed a comprehensive flight booking system using a **microservices architecture**, implementing 4 interconnected services (Flight, Booking, Notification, API/Auth Gateway) with **Node.js** and **Express.js**.
- Designed robust database schema using **MySQL** and **Sequelize ORM**, efficiently managing complex relationships between flights, bookings, and users.
- Integrated **RabbitMQ** for reliable inter-service communication, enhancing system reliability in high-traffic scenarios.
- Engineered a robust **API Gateway** implementing **JWT-based authentication**, **reverse proxy** functionality to route requests to appropriate microservices, and **rate limiting** to prevent abuse, ensuring secure access control, efficient request handling, and optimal system performance.

  ⌾ **Github Link**

## Technical Skills

**Programming Languages:** JavaScript (ES6+), TypeScript, PHP, Java, SQL
**Frameworks & Libraries:** NextJS, React, Recoil, Node.js, Express.js, Hono.js, Laravel, CodeIgniter
**Databases & ORMs:** MySQL, PostgreSQL, MongoDB, Sequelize, Prisma
**Cloud & DevOps:** Docker, AWS, Vercel, Cloudflare Workers, Git, GitHub, CI/CD pipelines, Microservices Architecture
**API & Communication:** RESTful APIs, WebSocket, WebRTC, RabbitMQ
**Development Tools:** VS Code, NPM, MongoDB Compass, Swagger, Turbo Repo, Prisma Accelerate

## Leadership / Extracurricular

- Represented our department in tech fest events and competitions organized in our college.
- Mentored junior students in web development, conducting weekly sessions to guide them through project development and best practices.