

KARAN BOHARA

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EXPERIENCE

Marici Technology

Full Stack Developer

Jan 2025 – Present

Kathmandu, Nepal

- Architected and implemented high-performance MERN stack applications, including corporate portals and service hubs, improving client digital presence by **40%**.
- Designed and optimized RESTful APIs and MongoDB schemas, reducing server response times by **300ms** for high-traffic business solutions.

Gateway College of Professional Studies

Python Lecturer

July 2025 – Present

Kathmandu, Nepal

- Conducted regular lectures on Python programming principles and best practices for undergraduate students.
- Assisted students during practical lab sessions to resolve coding issues and debug Python scripts.
- Evaluated student assignments and provided feedback on backend logic and programming foundations.

KEY PROJECTS

UMI Abroad Study (umiabroadstudies.com)

Tech: MERN Stack, Vapi.ai (Voice AI), WebSockets, JWT

- Architected an AI-powered "Immigration Officer" using **Vapi.ai** to simulate visa interviews, providing real-time feedback to students and increasing prep confidence by **60%**.
- Automated the **Certificate of Eligibility (COE)** document generation process, reducing manual data entry for educational consultancies by **75%**.
- Implemented a real-time application tracking dashboard with WebSockets, allowing 1000+ students to monitor visa processing stages instantly.

Bajra Builders (bajrabuilders.com)

Tech: React 19, Node.js, i18next, Google Maps API, MUI 7

- Developed a multi-language real estate platform (English/Nepali) using **i18next**, expanding market reach to 100% of the local demographic.
- Integrated **Google Maps API** for dynamic property location tracking and interactive site visit scheduling.
- Implemented secure user authentication via **Passport.js (Google OAuth 2.0)** and asset management using Cloudinary.

WeCare Healthcare & E-commerce Hub

Tech: Node.js, Express, MongoDB, Redux Toolkit, Chart.js

- Engineered a full-featured healthcare portal with integrated medicine e-commerce, supporting 500+ daily orders with zero cart duplication issues.
- Designed an interactive admin portal using **Chart.js** for real-time sales and patient data visualization, improving business decision speed by **30%**.
- Optimized backend service performance using Node-Cron for automated maintenance tasks and Nodemailer for transactional health reports.

TECHNICAL SKILLS

Frontend: React 19, Vite, MUI 7, Tailwind CSS, Redux Toolkit, i18next, Vapi.ai, Google Maps API.

Backend: Node.js, Express, MongoDB (Mongoose), Passport.js (OAuth 2.0), JWT, RESTful APIs.

Tools & DevOps: Docker, Git, GitHub Actions, Cloudinary, Nodemailer, Postman.

Languages: JavaScript (ES6+), HTML5, CSS3/SASS, Python.

EDUCATION

Softwarica College of IT and E-commerce
BSc (Hons) Computing

Graduated Dec 2025
First Class Honors