

NISHAN DHAKAL

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Jorpati, Kathmandu | DOB: 21st March 2004 | Nationality: Nepalese

PROFESSIONAL SUMMARY

I'm a passionate backend developer with strong expertise in Node.js, Express.js, TypeScript, and databases such as PostgreSQL (Prisma ORM) and MongoDB. I have a strong grasp of RESTful API development, authentication and authorization (JWT, bcrypt), database relationships, and transactional operations. I focus on building secure, scalable, and maintainable server-side applications, ensuring clean architecture, efficient data handling, and robust error management. I'm also familiar with Postman for API testing, and have a basic understanding of Docker, deployment processes, domain management, and Cloudflare. Additionally, I am expanding my expertise in system design, WebSockets, and cloud technologies to enhance my full-stack development capabilities.

WORK EXPERIENCES

Full Stack Developer Intern – Leafclutch Technologies (January 2026 – March 2026)

- Developed full-stack applications including Restaurant, Medical Record, and Printing Press Management Systems.
- Built REST APIs and managed database operations, authentication, and CRUD features.
- Collaborated on web applications and implemented technologies like Node.js, Express.js, TypeScript, and React.
- Managed domain and subdomain configurations with basic deployment tasks.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, C, C++, HTML, CSS
- **Frameworks & Runtimes:** Node.js, Express.js, Next.js
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & Deployment:** AWS, Docker, Kubernetes, Nginx, Vercel, Render, Cloudflare
- **Messaging & Caching:** RabbitMQ, Redis
- **DevOps & CI/CD:** GitHub Actions, CI/CD Pipelines, Linux Server Deployment
- **Networking & Infrastructure:** DNS Management, Domain & Subdomain Configuration
- **Tools & Platforms:** Git, GitHub, Postman, Jira, Linux

QUALIFICATIONS

- **Bachelor of Science in Computer Science and Information Technology (BSc.CSIT)**, Texas International College (TU), Kathmandu — 2023 - Present
- **+2 Science**, Trinity International College, Kathmandu — 2020 – 2022

PROJECTS

“Authentication System” — [GitHub](#)

Node.js, Express.js, TypeScript, PostgreSQL, JWT, bcrypt

- Designed and implemented a secure authentication and authorization system using JWT-based access control.
- Built RESTful APIs for user registration, login, logout, and protected routes using Express.js and TypeScript.
- Implemented password hashing and verification using bcrypt to ensure secure credential storage.
- Designed relational database schemas in PostgreSQL and handled user data with proper validation and error handling.

“Blog/CMS” — [GitHub](#)

React, Tailwind CSS, TypeScript

- Developed a backend REST API for a Blog/CMS system supporting users, posts, comments, and role-based access control.
- Implemented JWT-based authentication and authorization, restricting content creation and management based on user roles.

- Designed and optimized PostgreSQL schemas with proper relationships and constraints to maintain data integrity.
- Implemented secure CRUD operations for blog content with centralized error handling and validation.
- Designed relational database schemas in PostgreSQL and handled user data with proper validation and error handling.

“Mero Hostel Mate” — [GitHub](#)

MERN, Python, RabbitMQ, Docker

- Contributed as a Backend Developer to an AI-driven hostel discovery and management platform.
- Built and maintained RESTful APIs for hostel listings, bookings, room availability, and maintenance workflows.
- Integrated RabbitMQ for asynchronous communication and event-driven processing between backend services.
- Collaborated with AI services built in Python (KNN-based recommendations) to deliver intelligent hostel suggestions.
- Containerized backend services using Docker, ensuring consistent development and deployment environments.

CERTIFICATIONS AND HACKATHONS

- **Mentor** , *Texas Hackathon 2025 – Vol.1 – 2025*
- **National Hackathon**, *Code for Change (CFC Nepal) – 2024*
- **ASCOL Hackfest**, *Amrit Science Campus - 2024*
- **Mastery to Express and Node.JS**, *Texas International College – 2024*

SOFT SKILLS

- Strong Communication & Team Collaboration
- Adaptable & Fast Learner
- Problem-Solving with Critical Thinking
- Leadership with a Positive Attitude.

LANGUAGES

- **English** (*Fluent*)
- **Nepali** (*Native*)
- **Hindi** (*Conversational*)

REFERENCES

- 1) **Subham Raj Joshi** — Software Engineer, UBA Solutions, +977-9818737102
- 2) **Sulav Nepal** — BSc.CSIT/BCA Coordinator, Texas International College, +977-9849194892