

BISWASH DHUNGANA

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Jaldhare 26, Pokhara, Nepal

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EDUCATION

Pokhara University

November 2019 - August 2024

Bachelor in Software Engineering

GPA: 3.62

Relevant coursework: Artificial Intelligence, Data Mining, Natural Language Processing, Data Structure and Algorithm, Database Management System, Operating System, Computer Network, Software Engineering, Object-Oriented Programming (C++), Computer Programming (C, Java)

Shree Amarsingh Secondary School

August 2016 - July 2018

NEB

WORK/TRAINING EXPERIENCE

Aarambhait IT Research Center Pvt Ltd.

June 2024

Frontend Intern

Gairapatan, Pokhara

1. **Tishy & Co Restaurant Platform**

- Made frontend components and implemented authentication (OAuth and password-based).
- Collaborated with design and backend teams to ensure seamless integration.

Aava Technology Nepal

December 2024 - May 2025

Fullstack Developer

Kamalpokhari, Kathmandu

1. **EasyUnsub Email Client**

- Built scalable backend services in Node.js (TypeScript), integrating email providers like Outlook, Iml, and Gmail with Firebase for authentication and real-time functionality.
- Implemented Play Console payment verification, promo code management, and admin panel APIs to manage users, analytics, and configurations.
- Optimized system performance and scalability through efficient code design and architecture improvements.

2. **MazzakoTrip - Flight Booking Platform**

- Developed booking system supporting B2C, B2B, and real-time socket-based chat and notification with Redis Adapter for scalable WebSocket communication.
- Built REST APIs for booking, user management, and other platform operations.

Golden Technosoft IT Genius Solution

May 2025 - June 2025

Fullstack Developer

Remote

1. **MazzakoTrip - Flight Booking Platform**

- Project retained and continued with the mazzakotrip project and provided support for both DevOps and backend.

- Applied Attribute-Based Access Control (ABAC) to manage role-based dashboard permissions for users, agents, agencies, and admins.
- Improved data loading efficiency with lazy loading and optimized API request caching.

TechShark

Fullstack Developer

June 2025 - Present

Remote - US

1. Uheardd

- Platform is for the historically black colleges and universities, where we curate the offers, services, and scholarships that are available for black people.
- Resume feedback, Company programs, and scholarships.
- Advisors, Instructor to guide the students

2. Friends and the city

- Users can select the events they are going to; events are streamed from Ticketmaster's discovery feed to our database.
- Users can get recommendations of other users to talk to, where they share interests and events they are going to, so they can go together.

3. AttenZone

- Guard management web application, which tracks guards for the client, guard office, and the admin of the platform.
- Map to visualize the guard movement, login, and logout for attendance, client assignment, and admin notification if the guard moves far away from the assigned location's threshold radius.

LICENSES AND CERTIFICATIONS

General Registered Engineer's License

Nepal Engineering Council

[License Certificate](#) — [Verification Link](#)

Officially licensed as a General Registered Engineer, authorized to practice engineering in Nepal under the regulatory authority of the Nepal Engineering Council (NEC).

RELEVANT COURSEWORK & CERTIFICATIONS

JavaScript Algorithms and Data Structures

[Verification Link](#)

Earned certification covering core programming concepts in JavaScript, including arrays, objects, maps, sets, and essential algorithms.

Containerize a full-stack NodeJS application in Docker

[Verification Link](#)

Earned certification covering the fundamentals of virtualization, containers, and Dockerization of Node.js applications.

SKILLS

Frontend: TypeScript, TailwindCSS, React.js, Next.js, TanStack Start, Astro, Hugo, Framer Motion

Backend: Go (std lib, Go Fiber), Node.js (Express.js), Socket.io, tsoa, OpenAPI(swagger), Hono, Serverless

DevOps: AWS(S3, CloudFront, Amplify, EC2, LightSail), Docker, Github Action/Runner

Databases: Prisma, Drizzle, PostgreSQL, Redis, MongoDB, Firebase, SQLite

Others: Bubble Tea(Go TUI framework), Git, GitHub, GitLab, Linux, Cloudflare, Netlify, Vercel

PROJECTS

1. Hotel Booking Application

- Features client and admin views with a real-time room reservation.
- Preview hotels, rooms, and pricing; images stored via Cloudinary.

Tools Used: `React.js`, `SASS`, `MUI`, `Node.js`, `Express.js`, `JWT`, `Socket.io`

2. BackDate - GitHub Activity Graph Painter

- A tool to fetch GitHub activity and allow users to paint over the activity graph.
- Generates a JSON file for a Go script to create a Git repository with backdated commits.
- Pushing the repository to GitHub updates the activity graph with the painted design.

Tools Used: `React`, `Go`, `Git`, `GitHub API`

3. Learniverse - Personalized Learning by AI Generated Tests [Web Link](#)

- Role-based authentication for learners and teachers.
- Teachers can create courses with videos, chapters, and pricing; students can enroll, pay, and participate in quizzes.

Tools Used: `Next.js`, `UploadThings`, `MUX`, `Prisma (MongoDB)`, `Stripe`, `Clerk`

4. Realtime Chat Application

- Real-time chat using JWT authorization and room-based messaging.
- Seamless navigation with React Router 6.

Tools Used: `React`, `TypeScript`, `TailwindCSS`, `Shadcn/UI`, `Express`, `Socket.io`, `Clerk`

5. S3 Gallery - Role-Based Media Sharing Platform [Web Link](#)

- Role-based access control (Admin, User) with authentication and profile management.
- Upload and manage images directly on AWS S3 with React Query integration.
- Next.js MDX for blog/content support, gallery view with likes, and personalized profiles.
- Admin panel for moderation and activity insights.

Tools Used: `Next.js`, `Drizzle`, `React Query`, `AWS S3`, `Framer Motion`

6. UD Engrave - Portfolio & Order Management [Web Link](#)

- Portfolio website showcasing UD Enterprise's laser engravings.
- Order placement, tracking, and management system with real-time updates.
- Admin dashboard to manage products, orders, and customer inquiries.

Tools Used: `Next.js`, `Drizzle`, `Tailwind CSS`, `PostgreSQL-Neon`, `React Query`, `Framer Motion`