

Bhabuk Bhattarai

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EDUCATION

Butwal Multiple Campus, Tribhuvan University — B.Sc. CSIT (7th Semester) · 2021 – Present
Amar Singh Secondary School, Pokhara — SLC Science · GPA: 3.22 / 4.00 · 2022

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, HTML, CSS, SQL

Frameworks & Tools: React, Next.js, Node.js, Express.js, FastAPI, Tailwind CSS, Three.js, MongoDB, PostgreSQL, Git, Vercel

PROJECTS

termread · *TypeScript · Bun · Readability · ANSI* · 2026

- CLI article reader that fetches any URL, strips ads and noise, and renders clean content in the terminal using Firefox's Readability algorithm and a custom ANSI renderer.
- Built a vim-style interactive pager with full-text search, pipe-friendly --raw mode, and Catppuccin-themed output; works across nearly all static articles and pages.

SX-Tracker · *React · FastAPI · PostgreSQL · GitHub Actions* · 2026

- Live dashboard tracking 7,000+ Starlink satellites, Falcon 9/Heavy boosters, landing records, and aggregate SpaceX mission stats with daily auto-updates.
- Built a REST API with search, filtering, and per-satellite altitude history; automated data ingestion from CelesTrak & Space-Track via GitHub Actions cron jobs.

Garden of Words · *Next.js · TypeScript · Tailwind · Groq/OpenAI* · 2024

- AI poetry generation platform supporting multiple forms (haiku, sonnet, free verse) with user-controlled tone, mood, and style; powered by Groq and OpenAI via custom prompt engineering.

Unwhispered Perhaps · *Next.js · Express.js · MongoDB · Payload CMS* · 2024

- Full-stack publishing platform for long-form literature with a headless CMS, enabling writers to manage and publish work through a clean editorial interface.
- Modeled flexible content structures in MongoDB with rich-text storage backed by Express.js.

Blue Sky · *Next.js · TypeScript · Tailwind* · 2024

- Immersive web-based visual novel published live, combining original prose and poetry with cinematic scroll-driven UI and atmospheric design.

INTERESTS

Creative writing (novel, poetry) · Technical blogging · Open source contribution