

Gaurab Chhetri

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SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, PHP, SQL, Python, R, C/C++, Markdown

Frameworks & Tools: React.js, Next.js, React Native, Expo, Express.js, Node.js, REST APIs, MySQL, MongoDB, Prisma, Tailwind CSS, Git, GitHub, Linux, WordPress

Other Skills: SEO, Digital Marketing, Data Analysis, Data Visualization, CloudFlare, Netlify, Domain Management, IT Support, System Administration, Graphic Design, Video Editing, Figma, GIMP, Canva

PROJECTS

Bhanai Programming Language

- Developed **Bhanai**, a Nepali-inspired programming language with custom syntax and execution capabilities.
- Published the package on NPM, enabling easy global installation and execution.

AIT Lab Website

- Built an **academic research website** for Texas State University using Next.js with modern web development practices.
- Achieved a **90+ Lighthouse SEO score** by optimizing SEO, accessibility, and performance.

Custom Raspberry Pi Computer

- Designed and assembled a **custom Raspberry Pi-based mini computer** for multipurpose educational use.
- Configured for **penetration testing, Linux learning, and programming education**.

EXPERIENCE

Texas State University

San Marcos, TX

Undergraduate Research Assistant

Oct 2024 – Present

- Developed **25+ analytical and visualization tools** to improve data interpretation for AI research.
- Analyzed **large datasets (150k+ entries)** using JavaScript, R, and Python, improving research efficiency by **11%**.
- Contributed to **4+ academic papers** by conducting in-depth data analysis and visualization.

ComputeNepal

Pokhara, Nepal

Founder and Developer

May 2021 – Present

- Grew ComputeNepal.com to **200+ technical articles**, increasing engagement by **67%**.
- Optimized SEO strategies, boosting **organic traffic by 300%** within a year.
- Launched **5+ interactive learning platforms** (quizzes, tutorials, and coding challenges), improving user retention by **38%**.

Satmarga Education Consultancy

Pokhara, Nepal

IT Officer

Feb 2024 – Jul 2024

- Led website and IT infrastructure management, reducing downtime by **50%**.
- Designed and executed **targeted social media campaigns**, increasing **followers by 1,000+** within 2 months.
- Created and optimized digital content, leading to a **35% increase** in customer engagement.

PUBLICATIONS

Online Gaming and Child Safety

Pokhara, Nepal

República

Apr 2023

- Published an op-ed discussing the impact of online gaming on child safety and preventive measures.

HONORS & AWARDS

Best in Development/Coding - Hackacat Nano 2024

San Marcos, TX

Organized by: ACM AI @ TXST

Nov 2024

- Developed RUMI: An AI-powered roommate finder using React, Node.js, and OpenAI in just 7 hours.

EDUCATION

Texas State University

San Marcos, TX

Bachelor of Science in Computer Science (GPA: 4.0) — Dean's List Receptionist

Aug 2024 – May 2029

LANGUAGES

English (Fluent), Nepali (Native), Hindi (Fluent)