





Gaurab Chhetri

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TECHNICAL 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 **95+ Lighthouse score** by optimizing SEO, accessibility, and performance.

Custom Raspberry Pi Computer

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

EXPERIENCE

Texas State University

San Marcos, TX

Undergraduate Research Assistant

Oct 2024 – Present

- Conducting **data visualization and machine learning** research using R and Python, processing and analyzing large datasets.
- Developing analytical tools and visualization dashboards to present complex research findings.
- Collaborating with faculty to publish research in academic conferences and journals.

ComputeNepal

Nepal

Founder and Developer

May 2021 – Present

- Founded ComputeNepal.com, a tech learning platform with 200+ articles and interactive tools.
- Implemented SEO strategies, increasing organic traffic by **300%** and enhancing website visibility.
- Developed multiple sub-platforms, including quizzes, tutorials, and programming challenges for learners.

Satmarga Education Consultancy

Pokhara, Nepal

IT Officer

Feb 2024 – Jul 2024

- Managed the company website, domain registration, and IT security protocols.
- Developed and executed **social media marketing campaigns**, increased 1000+ followers.
- Designed and optimized digital content, ensuring better outreach and customer interaction.

PUBLICATIONS

Online Gaming and Child Safety

Nepal

Repubblica

Apr 16, 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)