





# 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 **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 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)