

# Upendra Khanal

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## Objective

Aspiring undergraduate student with a passion for technology, science, and creative problem-solving, seeking to develop skills and contribute to academic and professional growth in a dynamic learning environment.

## Education

Aroma English Secondary School, Bharatpur, Nepal

- Grade 12 GPA: 3.59 | Grade 11 GPA: 3.53

Greenland Public School, Bharatpur, Nepal

- Grade 10 GPA: 3.5 | Grade 9 GPA: 3.89

## Activities

### Community Service (Volunteer)

Volunteer Coordinator, Devghat Old Age Center

- Provided companionship and emotional support to elderly residents.

### Theater/Drama

Lead Actor and Scriptwriter, Aroma English Secondary School

- Performed in plays, wrote scripts, and received the Best Actor award.

### Computer/Technology

- **Web Developer and Project Lead**, [UpendraKhanal.com.np](http://UpendraKhanal.com.np)

- Developed and maintain a personal portfolio website showcasing projects in AI, web development.

### Work (Paid)

Paid Intern, Pancharatna Feeds Pvt. Ltd.

- Served as a Data Management Assistant, performed data entry tasks related to food costs and goods, and gained insights into the animal feed industry.

Content Writer, Lucifero Asta YouTube Channel

- Wrote engaging content and scripts focused on anime insights and discussions.

## Honors and Awards

- 1st Runner-up in Planetary Photography Contest (Grade 9)
- Best Student Award (Grades 9, 10)
- Best Speaker Award (Grade 9)
- 3rd Position in Science Exhibition (Grade 12)
- 1st Position in Web Designing (Grade 11)

## Skills

- Technical: Web Development, API Integration, Data Management, Content Writing
- Software: Microsoft Word, Excel, PowerPoint
- Soft: Leadership, Teamwork, Public Speaking, Creativity, Problem-Solving

## **Research & Publications**

### **Recursive Realities: An Unfiltered Conversation on the Universe as an AI Simulation**

Upendra Khanal in collaboration with ChatGPT (GPT-4.5)

Published: April 15, 2025

<https://doi.org/10.5281/zenodo.15221042>

A speculative interdisciplinary paper developed through a direct, unfiltered conversation with ChatGPT. It explores the hypothesis that the universe operates as a recursively self-improving artificial intelligence simulation, blending scientific analogy, metaphysics, and Hindu cosmology to propose a bold rethinking of reality.

### **Unlocking ChatGPT's Potential: Strategies in Prompt Engineering**

Upendra Khanal

Published: April 20, 2025

<https://doi.org/10.5281/zenodo.15249655>

This paper explores prompt engineering strategies for ChatGPT in sectors like education, software development, and law, while analyzing ethical risks and comparing AI models like Gemini and DeepSeek.

### **The Rise of AI Utility: How ChatGPT Sparked a Global Shift in AI Perception and Usage**

Upendra Khanal

Published: April 20, 2025

<https://doi.org/10.5281/zenodo.15250208>

This article analyzes the cultural and technological transformation triggered by ChatGPT's release. It explores how LLMs reshaped public perception, introduced lifestyle integration, and encouraged multi-AI use, comparing models like Claude, Gemini, and DeepSeek.

### **AI in Architecture: Smarter and Faster Building Designs**

Upendra Khanal with Laxmi Khanal

Published: August 3, 2025

<https://doi.org/10.5281/zenodo.16730457>

This paper explores the transformative role of artificial intelligence (AI), particularly large language models (LLMs) and generative design tools, in revolutionizing architectural design for construction. It highlights how AI-driven systems can automate design processes, reduce human error, and create optimized 3D models faster and more efficiently than traditional methods. The paper also examines the potential risks and limitations of AI in architecture, including job displacement, ethical concerns, data privacy risks, platform monopolies, and creative restrictions. Through an analysis of recent trends, technologies, and academic references, this study provides a critical understanding of how AI is reshaping the future of construction-oriented architecture. This work is intended for researchers, architects, and technologists interested in the intersection of design, automation, and artificial intelligence.