

# Sakchhyam Kc

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## EDUCATION

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**Hunter College**  
*Bachelor in Computer Science*

New York, NY  
Dec 2026

## EXPERIENCE

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### Front End Engineer Intern

August 2024 – Present

*Nepal America International Film Festival (NAIFF)*

*Remote*

- Developed dynamic web elements by integrating **JavaScript** libraries like **Isotope** and **Chart.js**, boosting user engagement by **15%**.
- Enhanced** site performance by implementing **HTTP/3** and Priority Hints, **reducing** load times by **10%** while enforcing HTTPS and CSP headers.
- Implemented **SEO practices** including structured data markup and **meta tag optimization**. **Increasing** site visibility by **22%**.

### Software Engineer (AI Training)

May 2024 – September 2024

*Pareto AI*

*Remote*

- Conducted **code reviews** in **Python** and **JavaScript** for a commercial **Large Language Model**, achieving **93% acceptance rate**.
- Identified and **documented** critical code generation issues including invalid imports, non-existent method calls, and incorrect API usage patterns.
- Executed **red teaming** assessments to probe model boundaries, focusing on secure coding practices and potential **security vulnerabilities**.
- Cataloged **code hallucinations** including deprecated syntax, incompatible type operations, and **logical flaws**, **improving code generation** reliability.

## PROJECTS

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### Kapda | *Python, JavaScript, React, Next.js, MongoDB*

- Architected** an **AI-powered marketplace** that **aggregates** listings from major platforms (eBay, Depop, Poshmark, Grailed) through a unified interface.
- Built a scalable **REST API** with **Node.js** and **Express** that processes thousands of listings in real-time, with **caching** and load balancing.
- Integrating a **Large Language Model** for intelligent search, enabling semantic understanding of user queries and improved item matching.

### Fashion Item Classifier | *Tensorflow, Python, Streamlit, NumPy, Docker*

- Developed a **Conventional Neural Network(CNN)** model for fashion classification using **TensorFlow**, achieving a **90.42%** validation accuracy through data **augmentation**.
- Optimized** model architecture with batch normalization, achieving **88.54% training accuracy** and reducing validation loss by **28.2%**.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, C++, HTML/CSS, SQL

**Frameworks:** React, Next.js, WordPress, Tailwind, Express

**Developer Tools:** Git, **Docker**, TensorFlow,

## LEADERSHIP AND ACTIVITIES

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### Nepal America International Film Festival (NAIFF)

May 2023 – June 2024

*Volunteer Lead*

*Washington D.C.*

- Coordinated a volunteer team for a Non-Profit film festival, managing schedules, facilitating communication between festival management and volunteers, and implementing an efficient onboarding process that improved volunteer retention.