

Sakchhyam Kc

sakchhyamkc@gmail.com | linkedin.com/in/sakchhyam-kc | sakchhyamkc.com

EDUCATION

Hunter College

Bachelor of Arts in Computer Science

New York City, NY

May 2027

EXPERIENCE

Basta Software Engineering fellow

July 2025 – September 2025

Google

New York, NY

- Selected as **one of 354** participants **nationwide** for a 10-week intensive program, **collaborating** with engineers to **advance** coding fundamentals and strengthen **problem-solving methodologies**.

Full Stack Engineering intern

September 2024 – Present

Nepal America International Film Festival (NAIFF)

Hybrid/DC

- Integrated **Stripe API** for an internal payment processing tool, handled **\$50,000+** in transactions while **improving payment security** and reliability.
- Increased** user engagement by **15%** for **2,000+** festival attendees using Isotope and Chart.js web components.
- Reduced** page load times by **10%** with HTTP/3 while implementing CSP headers and HTTPS **security hardening**

Software Engineer

May 2024 – August 2024

Pareto AI

Remote

- Conducted **code reviews** in Python and JavaScript for a commercial **LLM dataset**, achieving a **94% acceptance rate**.
- Identified** and **documented** critical code generation **issues**, including **invalid imports**, deprecated syntax, and API misuse patterns, **improving model reliability**.
- Executed **red teaming** to probe model limits, uncovering **50+ security flaws**, API Misuse, and logic errors leading to **enhanced model safety**.

PROJECTS

Academic Agent (IBM Hackathon Winner)

May 2025

IBM

New York, NY

- Collaborated** with IBM engineers to **develop** an academic planning tool using Watson AI and a **RAG pipeline**, **optimizing** course schedules across **1,000+** combinations.
- Developed** the academic planning agent, trained on a **vector database** of all courses and syllabi offered by the school, **reducing** scheduling time by **80%** and **optimizing course selection**.

Aggregated Marketplace | Python, JavaScript, React, Next.js, MongoDB, Vercel

- Developed** full-stack marketplace with **microservices design**, authentication service, profile management, and **recommendation engine** built with **React** and **Next.js**
- Built intelligent **data processing** pipeline that filters and transforms API responses in real-time, persisting only user-engaged listings to MongoDB while leveraging **Redis caching** to minimize external API calls and **reduce data storage costs**.
- Developed **LLM-powered** search with **semantic** matching and personalized Explore page recommendations, increasing user session time by 45% through a custom **embedded database** and behavioral analysis

AI Virtual Clothing Try-On Platform | Python, Hugging Face Transformers, JavaScript, ComfyUI, FastAPI, Node.js

- Created** a custom virtual try-on website leveraging a **diffusion-based VTON model** for realistic apparel previews.
- Developed an end-to-end pipeline automating image transformation, enabling real-time virtual try-on results for users.

TECHNICAL SKILLS

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

Frameworks: React, Node.js, Flask, JQuery, Express, Tailwind, FastAPI

Tools: Git, Docker, Tensorflow, Jupyter Notebook, Redis

Libraries: pandas, NumPy, Matplotlib