

Ankit K Gupta

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[[GitHub](#)] [[LinkedIn](#)] [[Youtube](#)] [[Certificates](#)] [[Portfolio](#)]

EDUCATION

Skidmore College, Saratoga Springs, NY

[B.A. Computer Science and Biology] [GPA: 3.99][Expected Graduation - May 2026]

CodePath, San Francisco, USA

[CyberSecurity Certificate] [Interview Prep 102] [May 2024 - Present]

EXPERIENCE

IdeaLab Skidmore College, Saratoga Springs — *Funded Project.*

[SkidScreen] [Jan 2024 - Present]

- Developing an automated event display system projected to save 6000+ sheets of printed posters per semester.
- Built a web app for the event display system that reduces event submission and display time from 5 days to just 2 minutes.
- [Java, JavaScript, HTML/CSS, Eclipse, API, Firebase, Swing, Log4j, Raspberry Pi]

Skidmore College, Saratoga Springs — *Semantic ML Researcher.*

[Computer Science Department] [Aug 2023 - May 2024]

- Developed an automated SPARQL system to query ontology-based data, generating semantically rich inputs for research on explainable ML models.
- [Java, Git, SPARQL, RDFs, Ontology, Machine Learning]

PROJECTS

Constitution AI, New York, USA

[Headstarter Software Engineering Fellow] [Jun 2024 - Aug 2024][[Constitution AI](#)]

- Designed the architecture and developed Constitution AI for Nepal to advance legal literacy and accessibility.
- Built a RAG API integrating the Pinecone vector database for relevant context retrieval and LLaMA3 for response generation, significantly improving accuracy.
- [React.js, Next.js, AWS, HTML/CSS, Retrieval-Augmented Generation (RAG)]

Second Brain, New York, USA

[Personal Project][Jan 2024 - Present][[Second Brain](#)]

- Designing a personal management system from scratch.
- Created responsive web and mobile-first UI design for the application.
- Performed unit testing for each feature and documented the process with Sphinx.
- Hosted the application on AWS using Unicorn and Nginx for static files.
- [Django, JavaScript, Jinja2, Figma, Sphinx, Git, AWS EC2, PostgreSQL, Async Requests]

Impromptle, New York, USA— *Stony Brook University Hackathon*

[SBU Hacks VI][Jan 2024] [[Impromptle](#)]

- Led a team of 4 to develop a web application aimed at enhancing public speaking.
- Implemented an audio transcription and analysis system using OpenAI's Natural Language Processing to evaluate and provide feedback on speech coherence.

Skidmore Codes, New York, USA — *President*

[Skidmore Codes Club] [Jan 2023 - Present]

- Managing an executive board of 9 members, leading Skidmore's coding and tech club activities, and organizing over 10 high-impact events.
- Leading a team of 16 to develop a full-stack club website and hackathon platform.

TECHNICAL SKILLS

Python, Java, JavaScript

Django, HTML, CSS, React.js

Next.js, PostgreSQL

Git, Github

Figma, Blender

Sphinx, Junit

AWS, Linux

LEADERSHIP

President - Skidmore Codes
(110+ members)

Resident Assistant
(Supervising 600+
undergraduates in residence)

Teaching Assistant -
Object-Oriented Programming

AWARDS

Davis Scholar

Dean's List (Fall 2022 - Present)

Skidmore's Honors Forum

StartUp Skidmore - 3d printer

RELEVANT COURSEWORK

Computer Architecture,
Algorithms & Data Structure,
Robotics, Linear Algebra,
Applied Machine Learning

INTERESTS

3D Modeling, Visual Arts (6+
years), Badminton (8+ years)