

# ANKIT K GUPTA

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## EDUCATION

**Saratoga Springs, NY****Skidmore College****Aug 2022-May 2026**

- **Major:** Computer Science, B.A | GPA: 3.99
- **Minor:** Business and Biology
- **Programming Coursework:** Computer Organization, Algorithms & Data Structure, Software Design, Calculus II & III
- **Affiliations, and Additional Education:** Davis Scholar, CodePath, The Odin Project, FreeCodeCamp

## SKILLS

- **Proficient:** Java, Python, Django, Git, HTML/CSS, Blender, Object Oriented Programming (OOP)
- **Familiar:** JavaScript, SQL, App Engine, Google Cloud Platform, RDFS, Owl Ontology, AWS

## EXPERIENCE

**Personal Website:** [www.ankitgupta.net](http://www.ankitgupta.net) (for additional information and projects)**Second Brain:** Full Stack Django Web Application**Feb 2024 - Present**

- Developed a productivity web application with 10+ integrated apps for journaling, project management, and more.
- Utilized Django Signals and JavaScript for automated async event-driven actions and data fetching across the app.
- Enhanced user interfaces through detailed design using Figma and draw.io for user flows, creating responsive mobile and desktop designs. Utilized Django's templating language Jinja2 for dynamic-content rendering.
- Planned, documented, and tested the project using Sphinx and unit testing to ensure high code quality and reliability.
- Utilized: Django, Django Rest Framework, JavaScript, Jinja2, Figma, draw.io, Sphinx, Git, Blender, AWS EC2, RDS, S3.

**Project Lead, Skid-Central:** Skidmore Opportunity Fund | Skidmore College**Jan 2024 - Present**

- Implemented a real-time event retrieval system with Java's HttpClient, interfacing with Skidmore's CampusLabs API.
- Created preliminary UI with Java Swing for event display and utilized Apache Log4j for logging and debugging.
- Integrated the Java program with a Raspberry Pi to develop a minimum viable product for digital display panels.
- Extended the system with a separate web app for event submissions, streamlining event creation and visibility.
- Funded by the college, a project to enhance event visibility, is projected to save 6,500+ sheets of paper/semester.
- Utilized: Java, HttpClient, Java Swing, Apache Log4j, HTML/CSS, Javascript, Git, Raspberry Pi, CampusLabs API.

**Hackathon Team Lead, Impromptu:** SBU Hacks VI | Stony Brook University**Jan 2024 - Jan 2024**

- Led a team of four to develop a web application in under 48 hours during a hackathon, aimed at enhancing public speaking skills with random prompts and real-time feedback.
- Implemented audio transcription and analysis system to identify filler words and provide improvement suggestions.
- Leveraged OpenAI's natural language processing capabilities to evaluate speech relevance and coherence.

## ACADEMIC EXPERIENCE

**Undergraduate Researcher,** Semantic Machine Learning | Skidmore College**Aug 2023 - Present**

- Designed and implemented an automated system for querying, data retrieval, and entropy calculation using Apache Jena for ontology-based data while collaborating with 3 teammates and a professor.
- Established a robust foundation for training machine learning models with semantically rich data, significantly enhancing prediction accuracy and efficiency in semantic analysis.

**Teaching Assistant,** Software Design OOP Course | Skidmore College**Jan 2024 - May 2024**

- Mentored and supported students by providing technical support during lab sessions and assignments.
- Assisted students in debugging and solving numerous coding issues, ensuring successful project completion.

## LEADERSHIP EXPERIENCE

**President,** Skidmore Codes**Aug 2023 - Present**

- Elevated club awareness from 20 to 60 members in 5 weeks by organizing events, coordinating meetings, and using multi-channel communication. Led an 8-member board and organized 10+ high-impact events for our tech club.

**Resident Assistant and Community Assistant,** Skidmore Residential Life**Aug 2023 - Present**

- Underwent intensive training in counseling, fire safety, emergency response, and conflict resolution. Promoted to oversee 10-15 Resident Assistants, providing mentorship and ensuring dormitory management.

## INTERESTS:

**Sports:** Badminton, Cricket, and Pool | **Rural Education** | **3d Modeling** | **Biodiversity and Algal Research** | **Agriculture**