

# Swikriti Dumre

sdumre@smith.edu | Tel: 413 409 1442 | LinkedIn: Swikriti Dumre | GitHub: swikritycreates

## Education

---

**Smith College** BA in Computer Science, BA in Mathematics Statistics (GPA: 3.94/4.0) Aug 2024 – May 2028

- Relevant Courses: Algorithms, Data Structures, Programming Methodologies, Object-Oriented Programming
- **Certification:** Quantum Computing Software Certificate

## Skills

---

**Languages:** Java, JavaScript, TypeScript, SQL, Python

**Web Technologies:** HTML, CSS, REST APIs, React, Django, Figma

**Frameworks & Libraries:** TensorFlow, PyTorch, OpenCV, Numpy, pandas

**Tools & Platforms:** Git, Salesforce, SnapLogic, MATLAB

## Technical Experience

---

**Research Assistant**, Veterinary & Biological Informatics Lab, Smith College – Northampton, MA Jan 2026 – May 2026

- Applied relational database concepts and SQL to extract, clean, and organize large-scale genomic tabular datasets
- Wrote unit tests using pytest to validate bioinformatics pipelines processing RNA-seq datasets

**CRM Intern**, Smith College ITS – Northampton, MA May 2025 – May 2026

- Reverse engineered Salesforce order of execution from system logs and existing automations to list it by utilizing Notebook LLM to read debug logs and identify checkpoints
- Evaluated 80+ workflow rules and process builders to identify redundancies and built 9 scalable, logic-driven flows that combined the operations and reduced system complexity by 80%
- Translated stakeholder requirements into user stories and wrote test scripts that identified and resolved 12 critical logic errors

**Data Integration Intern**, Smith College ITS – Northampton, MA May 2025 – Aug 2025

- Built integration pipelines using SnapLogic to solve ticket duplication errors between TeamDynamix and 25Live that automated 17 slow workflows and saved over 55 hours of manual work per week
- Diagnosed and resolved pipeline errors by analyzing historical JSON payloads to trace data inconsistencies and failure points in automated workflows
- Conducted stakeholder consultations to understand requirements and produced technical documentation for system design, implementation, and workflow behavior

## Projects

---

**LIPI AI** Sept 2023 – Dec 2023

- Built an end-to-end translation pipeline for digitizing Tibetan scripts from textured surfaces using OpenCV for image preprocessing and fine-tuned transformer models from Hugging Face for text translation

### Smith Circle

- Developed a variation of PageRank algorithm to study a real-life large social network and used it to analyze the social network of undergraduate students studying at Smith College

## Leadership and Involvement

---

**Publicity Lead** – Smith International Student Organization, Smith College Jan 2025 – Present

- Designed promotional content and supported event logistics for programs supporting 1000+ students that strengthened audience engagement and campus participation

**Student Staff** – Office of Student Engagement, Smith College Aug 2025 – Present

- Managed front-desk operations, provided operational support for campus events, resolved facility, scheduling, and navigation inquiries in a high-traffic environment

**President** – Junior Division Nepal Organization, Kathmandu Sept 2023 – Sept 2024

- Organized weekly teaching sessions and coordinated a 7-member team to deliver accessible technical education as a year-long digital literacy initiative reaching more than 500 participants

## Awards

---

**Best Business Pitch** | ASA DataFest 2026

**Full Tuition Award** | St. Xavier's College, Nepal

**Academic Excellence Award** | Kalika Manavgyan Secondary School