

Sangati Shah

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Masters of Science in Computer Science

Jan 2026 – Present

- Specializations in **Interactive Intelligence & Machine Learning**

University of Colorado, Boulder

Boulder, CO

Bachelor of Science in Information Management

Aug 2019 – May 2023

- Minors in **Computer Science** & Creative Tech and Design
- 3.98 Overall GPA, Dean's List all semesters, Leeds and Norlin Scholar | \$140,000+ in merit scholarships/awards

EXPERIENCE

Software Engineer

Jul 2023 – Oct 2025

M&T Bank

Buffalo, NY

- Designed and implemented **full-stack** features — from UI design to backend integration with **Hogan mainframe systems** — for a production application used by **22,000 bankers** across **950+ M&T Bank** branches. Delivered critical capabilities including anti-money laundering workflows, business account opening, and credit card statement cycle management
- Migrated 7+ years of document history, including 100k+ files and multiple document versions, from OracleDB to a modern system built with **MongoDB**, **C#**, and **Angular**, improving retrieval performance and maintainability
Built scalable infrastructure by deploying to Docker, Kubernetes, Nginx, and OpenShift
- Designed a **.NET-based** dependency graph analyzer for **500+ microservices** to calculate Recovery Time Objectives (RTO), improving disaster recovery preparedness
- Led onboarding and mentoring for **3 engineers** and **2 interns** to accelerate team productivity in **agile** practices
- Developed an internal **URL shortening** system with integrated **UTM tracking** for **1,000+ bankers**, boosting campaign traceability
- Implemented duplicate detection and role-based access controls in employee databases, increasing data integrity, compliance, and security Improved device visibility across internal networks by building a **Python-based** scanner that tracked **200+ servers** using **IP graph algorithms**

Software Engineering Intern

Jun 2022 – Aug 2022

M&T Bank

Buffalo, NY

- Automated the ticketing process for **2,500** employees by parsing email metadata and attachments into **Java** ticket objects for over **1 million tickets** each year
- Built a **Java** library using **Spring Boot** and the **Microsoft Graph API** for use by **100+ teams**
- Ranked in the **top 3** of 70+ interns for delivering high-impact, innovative software solutions; presented results and technical outcomes to **C-suite executives**

Data Analyst Intern

Nov 2021 – May 2022

Trimble

Westminster, CO

- Built dashboards in **Power BI** and **Tableau** for monitoring carbon sequestration in North American farms, improving reporting visibility for sustainability efforts
- Expanded carbon credit operations from Alberta, Canada, into the United States

TECHNICAL SKILLS

Languages: C#, Python, Java, JavaScript, TypeScript, HTML/CSS, C/C++, SQL (Postgres)

Frameworks: .NET, Angular, React, Spring Boot, WordPress

Developer Tools: Git, Docker, Kubernetes, Nginx, MongoDB, Power BI, ServiceNow, Openshift, REST APIs

Libraries: pandas, NumPy, Matplotlib

PROJECTS

Fishing Simulator - Desktop Game | *Unity, C#*

Sept 2025 – Present

- Expected Release Date: Nov 2025
- Team Size: 4 (2 Developers, 1 PM, 1 Artist)
- Engineering multiple core gameplay systems in C#, including the in-game shop architecture, inventory management logic, and Blender asset integration pipelines.