

# Ruchi J. Patel

ruchipatel@gatech.edu | www.linkedin.com/in/ruchi-patel1 | ruchipatel1.github.io

## Education

**Georgia Institute of Technology, Atlanta, GA**

**June 2019 – May 2022 (Expected)**

*Candidate for Computer Science*

- Concentrations in Modeling & Simulation and Information Management
- GPA: 4.0/4.0

*Relevant Coursework:*

- Computing for Engineers
- Intro to Object-Oriented Programming
- Discrete Math for CS
- Differential Equations

## Skills

- **Programming:** Java, JavaScript, HTML, CSS, MATLAB, node.js
- **Languages:** English, Gujarati, Spanish, French
- **Lab:** Titrations, calorimeter calibration, IR spectroscopy, data analysis
- **Awards:** American Youth Character Award (2019), St. Augustine City Commission Citizenship Award (2019)

## Projects

**ruchipatel1.github.io**

**May 2020 – Present**

- Created personal website hosted on GitHub pages largely using HTML & CSS for styling
- Implemented JavaScript to create widget for mobile users
- Currently trying to develop contact form in PHP so users can input information directly into website

## Experience & Leadership

**Student Government Association (SGA) IT Board**

**May 2020 – Present**

*Internal Tools*

- Developing applications to automate processes and support SGA internal operations
- Created Slack apps and maintained sga.gatech.edu, SGA's main website used to communicate with student body

**GT ChBE Student Advisory Board**

**October 2019 – May 2020**

*Social Media Chair*

- Handpicked by other board members to serve the Undergraduate Chemical Engineering Department
- Planned events to build sense of community and student-faculty relations

**Grand Challenges-Hands Across the Water, Atlanta, GA**

**August 2019 – May 2020**

*Group Member*

- Developing a cost-effective detection device to detect lead service lines that are in use without excavation
- Communicating with researchers and professionals in infrastructure and academia to improve design and business model

**University of Florida Student Science Training Program, Gainesville, FL**

**June 2018 – July 2018**

*Research Assistant*

- Completed independent research project involving improving zeolite design to increase energy efficiency in oil refinement
- Used DFT to calculate energy of crystal and analyzed data to determine optimal proton location
- Submitted to regional science fair

**Blessings in a Backpack**

**August 2017 – May 2019**

*Program Coordinator*

- Delivered food weekly for 215 needy children at Webster Elementary School
- Raised \$30,000 to fund additional kids for the 2018-2019 school year, \$32,000 for 2019-2020 school year
- Ran awareness campaigns in several public forums including being interviewed by River City Live TV