

# Saddiq Rupani

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## EDUCATION

### Georgia Institute of Technology

Bachelor's of Science in Computer Science, Minor in Fintech

Atlanta, GA

Expected Graduation: May 2027

- **Concentrations:** Artificial Intelligence and Information Internetworks
- **GPA:** 3.95/4.00
- **Awards:** Dean's List, Faculty Honors, Zell Miller Scholar, Platinum FCU Scholarship Winner
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Artificial Intelligence, Databases

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, HTML/CSS, SQL, C, Assembly

**Frameworks & Libraries:** React.js, Node.js, JUnit, Pandas, NumPy, Matplotlib, OpenCV, Firebase

**Tools & Platforms:** Git, GitHub, VS Code, IntelliJ, Android Studio, Linux/Unix, Tableau, Power BI

**Certifications:** AWS Cloud Practitioner Essentials, Delta Air Lines Lean Six Sigma Green Belt

## EXPERIENCE

### Delta Air Lines

Data Engineering Intern

Atlanta, GA

January 2025 – Present

- Developing **Python-based ETL** data pipelines to process **5M+** rows of large-scale data from **SAP** and **Oracle** databases using **SQL**, generating demand forecasts and deploying workflows on **AWS EC2**, reducing manual reporting time by **60%**.
- Building automated **Tableau/PowerBI** dashboards to visualize key metrics across **40+** New Product Implementations, integrating data from **15+ SAP HANA** source tables through **SQL scripts**, increasing forecast accuracy by **8-12%**.
- Collaborating in an **Agile 3-person team**, contributing to **Sprint** planning/reviews, stand-ups, and **Scrum** events to deliver technical, business-focused solutions that improve reporting accuracy and support operational decision-making.

### Georgia Institute of Technology College of Computing

Teaching Assistant

Atlanta, GA

May 2024 – Present

- Instructing and mentoring **500+ students** in **Python programming, algorithms, and exam preparation** through recitations, office hours, and course support.
- Teaching advanced CS concepts including **Data Structures, Object-Oriented Programming, and complexity analysis**, contributing to a **6% improvement** in average exam scores.

## PROJECTS

### Coding Challenge Generator | Python, React, FastAPI, Clerk

September 2025 – November 2025

- Designing a full-stack web app with a FastAPI backend and React Frontend that generates coding challenges using the OpenAI API, with Clerk authentication and usage quotas.
- Implementing REST endpoints and a PostgreSQL database (SQLAlchemy) to track challenge history, with a Tailwind-based UI for displaying results in real time.

### WanderSync | Java, Android Studio, Firebase

August 2024 – December 2024

- Developed a full-stack Android application using Java and Firebase, integrating CRUD operations, user authentication, and database management to support housing, transportation, and travel logistics.
- Collaborated in Agile sprints with Git-based version control, pull requests, code reviews, unit testing, and Scrum ceremonies, delivering production-ready features on schedule.

### NBA Game Winner Predictor | Python, Machine Learning, NumPy, Pandas

September 2024 – October 2024

- Cleaned and preprocessed a dataset of **17,000+** NBA games using Python (Pandas, NumPy, BeautifulSoup), performing feature engineering and splitting into training and testing sets.
- Trained a Ridge Classifier model to predict NBA game outcomes, applying supervised learning and cross-validations to assess performance, achieving an **accuracy of roughly 70%** and outperforming baseline models.

## LEADERSHIP

### Ismaili Students Network (ISN)

Campus Lead Representative

Atlanta, GA

August 2025 – Present

- Directing cross-campus initiatives uniting **60+** Ismaili students at Georgia Tech and organizing collaborations that reached more than **3,000** students nationwide, strengthening cultural engagement and community presence.
- Leading **50+ volunteers** to coordinate daily prayers and ceremonies for over **400** attendees, ensuring smooth operations, community engagement, and consistent event execution across gatherings.
- Teaching classes of more than **30 K-12 students** about the **1,400-year history** of Ismaili faith, creating interactive lessons.

### Cold Stone Creamery

Manager

Atlanta, GA

June 2022 – August 2024

- Supervised teams of **7-10** crew members to serve the demand of **200+ daily customers** efficiently and in a timely manner.
- Managed finances and social media, analyzing sales to drive an **8% profit** increase and producing **3 weekly posts**.