

## Omar Siddiqui

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### SUMMARY

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Student of computer science and applied math eager to gain real world experience in the tech industry.  
Open to all areas of computer science, with a specific interest in software and cloud development.

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### EDUCATION

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**New Jersey Institute of Technology - Ying Wu College of Computing**

**Newark, NJ**

*B.S. in Computer Science*

*Expected May 2026*

*B.S. in Mathematical Sciences, Applied Mathematics*

**GPA:** 3.597

**Relevant Coursework:** Guided Design in Software Engineering, Database System Design and Management, Intensive Programming in Linux, Advanced Data Structures and Algorithm Design

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### PROJECTS

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**Stardewdle - Wordle-like Game** | [www.stardewdle.com](http://www.stardewdle.com) | *Backend Engineer* | AWS, Python

- Designed and deployed a serverless backend architecture on AWS to power a daily guessing game inspired by Wordle using data from the hit game Stardew Valley
- Built RESTful APIs with Lambda and API Gateway for daily word generation, guess validation, and game state persistence in DynamoDB
- Implemented scripts with BeautifulSoup to scrape data from public pages to host on Amazon S3

**Mediline - Healthcare Portal** | [www.mediline-njit.com](http://www.mediline-njit.com) | *Frontend Engineer* | React, Flask, MySQL

- Developed a reusable UI library with role-based dashboards for patients, doctors, and pharmacies
- Integrated RESTful Flask APIs via Axios and React Query to handle user actions
- Implemented JWT-based authentication across patient, doctor, and pharmacy roles
- Created real-time features like modals, filtering, and chat via WebSockets
- Deployed MVP for demo use with frontend hosted on Azure and backend on GCP

**Sakila Films - Rental Management System** | *Fullstack Engineer* | React, Flask, MySQL

- Built CRUD interfaces for managing movie inventory, rentals, and customers
- Developed backend endpoints for stock validation, rental creation, and customer histories

**Other Projects:** SPL Language Interpreter (C++), 15 Puzzle Solver (C), Stock Web Scraper (Python)

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### EXPERIENCE

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**International Game Developers Association, NJIT**

**Newark, NJ**

*Member, Game Jam Participant*

*September 2022 - present*

- Participate in game jams that encourage clear outlining, effective time management, streamlined prototyping, creativity, problem solving done through code, and cooperation with others

**MenteeGo Education**

**Rutherford, NJ**

*Senior Tutor for Math and CS*

*February 2022 - present*

- Collaborate with other tutors to outline adaptive curriculums tailored for students
  - Manage time and priorities of tasks for tutors and students into an optimized schedule
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### SKILLS and CERTIFICATES

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**Programming Languages:** JavaScript, Python, Java, C++, C, Bash

**Web Development:** React, Next.js, Flask, Axios, SASS, Tailwind CSS, HTML, CSS, REST APIs

**Platforms & Databases:** AWS, Google Cloud, Vercel, MySQL, DynamoDB, SQL

**Tools & Workflow:** Git, JWT, Postman, MVVM, BeautifulSoup, Figma, Trello, Microsoft Office

**Certificates:** AWS Certified Cloud Practitioner (May 2025)