

# Abhigya Sinha

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## EDUCATION

### Rutgers University

B.S. in Computer Science and Data Science

New Brunswick, New Jersey

Expected Graduation, May 2026

- o **Related Coursework:** Computer Architecture, Combinatorics, Data Structures and Algorithms, Linear Algebra

## PROJECTS

### Fitness Aid App | Dart, JavaScript, Terraform, Azure

October 2023 - Present

- Developing a fitness aid mobile app using Flutter, enabling users to create and share personalized workout splits
- Integrates AdobeXD for designing user-friendly interfaces, prioritizing aesthetics and usability.
- Implements REST APIs in Flutter for efficient communication and data exchange within the app.
- Employs Azure as the database solution to ensure secure and scalable data storage for the application

### Echotune | React, JavaScript, Tailwind

December 2023 - Present

- Developing a feature-rich music player leveraging React for dynamic front-end functionality.
- Integrates Shazam API to enable advanced song recognition capabilities within the application.
- Implements a visually appealing and responsive user interface using Tailwind CSS.
- Demonstrates key front-end developer skills in optimizing user experience and interface design.

### Pokedex | React, JavaScript, GCP

October 2023 - November 2023

- Integrates with the PokeAPI to dynamically fetch comprehensive Pokemon data based on user-supplied input.
- Utilizes asynchronous functions and the API to efficiently retrieve information such as name, image, types, and moves.
- Implements core React Native components, including TextInput for user input, Button for triggering API requests, and ScrollView for seamless content display.
- Enhances user experience with TouchableWithoutFeedback to dismiss the keyboard, ensuring smoother interactions
- Deployed on GCP

### Weather App | React, JavaScript

October 2023 - November 2023

- Engineered a responsive React Weather App, integrating the OpenWeatherMap API for real-time weather data.
- Ensured cross-browser and cross-device compatibility for a seamless deployment experience.
- Implemented efficient state management using functional components and React hooks.
- Demonstrated proficiency in leveraging third-party APIs to deliver dynamic content.
- Designed an intuitive user interface, featuring a dynamic city list component (CityList) to enhance user interaction.

### Ngrams Word Prediction | Java

May 2023 - June 2023

- Developed a program implementing data structures to predict subsequent user input
- Utilized FileReader and BufferedReader to read files
- Leveraged the Ngrams library

## SCHOOL ORGANIZATIONS

### Rutgers Entrepreneurial Society | 1776Labs Vice President

October 2023 - Present.

- Connected with student startups
- Manage 50+ fellows

### Rutgers Mobile App Development | Accelerator Program mentee

October 2023 - Present.

- Rutgers Mobile App Development
- Developed React and Node.js apps.

### Rutgers USACS | Member

October 2023 - Present.

- Engaged with peers who share a passion for technology

### Rutgers Organization of Cloud Computing | Member

October 2023 - Present.

- Implemented VMs and EC2 Instances,
- Enhanced cloud tech understanding

## SKILLS

**Programming:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Dart, Terraform, R

**Tools:** Flutter, React, Node.js, Git, Docker, Visual Studio, AWS, Azure, Linux, GCP, RStudio