

Abhigya Sinha

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EDUCATION

Rutgers University

New Brunswick, New Jersey

B.S. in Computer Science and Data Science

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

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

Echotune | React, JavaScript, Tailwind

December 2023 - Present

- Developed a feature-rich music player leveraging React for dynamic front-end functionality.
- Integrated Shazam API to enable advanced song recognition capabilities within the application.
- Implemented a visually appealing and responsive user interface using Tailwind CSS.
- Demonstrated 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 - Present

- 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: Connected with student startups, Managed 50+ fellows
- Undergraduate Student Alliance of Computer Science: Engaged with peers who share a passion for technology
- Rutgers Mobile App Development - Accelerator Program mentee, developed React and Node.js apps.
- Rutgers Organization of Cloud Computing - 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