

Abhigya Sinha

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EDUCATION

Rutgers University

B.S. in Computer Science and Data Science

New Brunswick, NJ

Expected Graduation - May 2026

Relevant Coursework

September 2022 - Present

- Computer Architecture, Combinatorics, Data Structures, 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 Figma 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, 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.

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

Pokedex | *React, JavaScript, GCP*

October 2023 - November 2023

- * Integrates with the PokeAPI to dynamically fetch comprehensive Pokémon data based on user-supplied input.
- * Utilizes asynchronous functions and the fetch 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 a smoother interaction flow.
- * 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.

SCHOOL ORGANIZATIONS

- Rutgers Entrepreneurial Society Pod Manager: Led club programs, organized events, maintained online presence.
- Undergraduate Student Alliance of Computer Science: Engaged with peers who share a passion for technology, stay updated on industry trends and opportunities.
- 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.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML, Dart, Terraform

Frameworks: Flutter, React, Node.js

Developer Tools: Git, Docker, Visual Studio, AWS, Azure, Linux, GCP