

Abhigya Sinha

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EDUCATION

Rutgers University

New Brunswick, New Jersey

B.S. in Computer Science and Data Science

Expected Graduation, December 2025

- **Related Coursework:** Computer Architecture, Combinatorics, Data Structures and Algorithms, Linear Algebra, Intro Data Science, Data Management for Data Science, Inference Data Science, Intro Artificial Intelligence, Design Analysis Computer Algorithms

PROJECTS

Axis | Flutter, Dart, Firebase

March 2023 - Present

- Implemented Firebase authentication for secure user logins via email/password, with potential for Google/phone number integration
- Developed user-friendly interfaces using Flutter, including login/sign-up screens, form validation, and password reset functionalities
- Designed team-based structures using Firebase Firestore, enabling users to create/join teams with unique codes
- Integrated real-time communication features using Firebase Cloud Messaging for group chats, individual messaging, and user profiles

FiziQ | React, Javascript, Python, MongoDB, Express, NodeJS

March 2023 - Present

- Utilized MongoDB as the database to store over **50+** workouts, **20+** posts, and **30+** initial users
- Built backend infrastructure with Express to handle server-side operations and API endpoints
- Utilized Node.js as the server environment to ensure robust and scalable architecture
- Engineered a Python Flask API to optimize data retrieval times between front-end and back-end

Echotune | React, JavaScript, Tailwind

December 2023 - Present

- Developing a feature-rich music player using React for dynamic front-end functionality
- Integrated Shazam API to enhance song recognition capabilities, resulting in a notable **20%** reduction in search time
- Crafting a visually appealing and responsive user interface using Tailwind CSS

SCHOOL ORGANIZATIONS

HackRU Hackathon | Hacker

March 2024

- Spearheaded a team of four to develop a dynamic MERN Stack App within a 24-hour timeframe

Rutgers Entrepreneurial Society | 1766Labs Vice President

October 2023 - May 2024

- Oversee and guide **50+** fellows within the program

Rutgers Mobile App Development | Accelerator Program mentee

October 2023 - January 2024

- Contribute to the development of React and Node.js applications within the club

Rutgers USACS | Member

October 2023 - Present

- Participate in dynamic discussions with like-minded peers who share a fervor for technology

Rutgers Organization of Cloud Computing | Member

October 2023 - January 2024

- Contribute to the implementation of Virtual Machines (VMs) and EC2 Instances

SKILLS

Programming: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Dart, R, PHP, Go

Tools: Flutter, React, Node.js, Git, Docker, Visual Studio, AWS, Azure, Linux, GCP, PostgreSQL, Express, MongoDB, Firebase, Tensorflow, Terraform