

# Aditya Rawat

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## EDUCATION

### UNIVERSITY OF WISCONSIN, MADISON

Bachelor of Science

Double Major in Computer Science and Data Science

Madison, WI

May 2026

## WORK EXPERIENCE

### FIDELITY INVESTMENTS

Jun 2024 – Aug 2024

Software Engineer Intern

Durham, NC

- Automated the collection of data validation incidents and client helpdesk requests by developing a platform using Snowflake, SQL, and AWS, which streamlined monthly incident reporting for the head of FFIO and reduced analyst report time from one week to real-time.
- Preprocessed data from vendors like S&P, Moody's, Fitch, and Bloomberg, transforming it into a standardized format for the Fidelity.com brokerage
- Built a unified data plane in Snowflake to consolidate vendor attributes into a single view per identifier, optimizing data queries and enabling dynamic data source changes while preserving business rules.
- Developed a generalized, config-driven financial securities data query platform using Angular, FastAPI, Python, and Snowflake Stored Procedures, which eliminates the need for Bloomberg Terminal licenses for employees who query data already available in back office files, saving \$2-3 million annually

### KAMUNITY.IO

May 2023 – Aug 2023

Full Stack Developer Intern

Irvine, CA

- Developed iterative designs for the application's desktop and mobile navigation using Material-UI's React library and employed custom React hooks to reinforce authentication features, such as form validation and editing profile details
- Enhanced the user authentication API endpoint to track and audit users' failed login attempts, subsequently locking them out upon reaching the attempt threshold.
- Created unit test cases in the frontend(React Testing Library and Jest) and backend(JUnit) to ensure code coverage and optimize the development of production-ready features in the future.
- Developed transactions and insights API endpoints using Java 17, Spring Boot, and Spring JPA, dynamically retrieving user transaction or financial insight data from the PostgreSQL database, while incorporating zero data points in months lacking information to enable accurate generation of progression graphs based on provided date filters in the request.

### AVIATO

July 2022

Freelance Front-End Web Developer

Remote

- Collaborated with Aviato's design team on Figma to decide the most marketable design and worked independently with Next.js and ChakraUI to develop Aviato's landing page for their prospective early-stage beta testers

## PROJECTS

### MEMORIZE.AI | Co-Founder, Web Developer | [Website](#) | [Github](#)

March 2020 - 2022

- Designed custom AI algorithm and developed the website aspect of the application
- Over 10k daily active users

### SIGMOID HACKS | Co-Founder, Organizer, Web Developer | [Website](#) | [Github](#)

Oct 2020 - Jan 2022

- Responsible for designing, developing, and maintaining event website with Next.js and Styled Components
- Co-led team to organize the event(workshops, schedule, sponsors, and prizes) with a 400+ participant turnout

## ADDITIONAL

**Technical Skills:** Node, React, Next.js, Angular, Express, Axios, Sass, FastAPI, SpringBoot, Spring Data JPA, AWS, Maven, Gradle, Git, Firebase, MongoDB, PostgreSQL, Snowflake

**Languages:** HTML/CSS, Javascript, Typescript, Java, Python, SQL

**Certifications & Training:** [Using Python for Research](#), [CS50's Introduction to Computer Science](#)

**Awards:** 2nd Place @ HackOC 2023, 3rd Place @ Irvine Hacks 2020, California State Seal of Civic Engagement