

Aditya Rawat

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EDUCATION

UNIVERSITY OF WISCONSIN, MADISON

Bachelor of Science

Double Major in Computer Science and Data Science

Madison, WI

Sep 2023

WORK EXPERIENCE

KAMUNITY.IO

Full Stack Developer Intern

Irvine, CA

May 2023 – Aug 2023

- 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

Freelance Front-End Web Developer

Remote

July 2023

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

FIRST ROBOTICS TEAM 3476: CODE ORANGE

Programmer, Lead Web Developer, Data Analyst

Irvine, CA

Aug 2018 – Jun 2023

- Redesigned, developed, and maintained the team website by utilizing the Bootstrap library to display information and history about our team and resources
- Developed scouting system with HTML, CSS, JavaScript, and PHP to allow team members to record individual robot information, the events of competition matches, and validate their entries by matching it to the BlueAlliance API
- Created a data analytics system that would dynamically create visualizations(graphs and tables) from the stored data of the robots and matches in the MySQL database that would be used during scouting meetings during competitions.
- Contributed in the early stages of robot programming, utilizing Java and WPILib to calibrate robot field positioning, add compatibility with third-party hardware the robot used, create the base subsystem class to be the baseline for all future subsystem code, and add functionality to the robot intake, arm, and hopper

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, Express, Axios, Sass, SpringBoot, Spring Data JPA, AWS, Maven, Gradle, Git, Firebase, MongoDB, PostgreSQL

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