

# AARON PATEL

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## EDUCATION

University of North Carolina at Chapel Hill - Chapel Hill, NC

Dec 2025

*B.S. Computer Science; Minor Data Science*

- GPA: 3.73/4.0
- Relevant Coursework: Data Structures & Algorithms, Foundations of Programming, Discrete Mathematics, Introduction to Programming, Calculus I,II,III

## SKILLS

**Programming Languages** | Java, JavaScript, Python

**Frameworks** | React, Flask, Django

**Tools/Deployment** | HTML/CSS, Git, Vercel, PowerShell

## EXPERIENCE

**Director of Technical Operations | Future Medical Professionals | Charlotte, NC**

Jun 2021 - Nov 2021

- Used JS & HTML to write scripts that extracted .docx contents and applied them to a design template to automate Instagram post creation
- Created supplementary JS scripts to perform basic tasks, i.e. sending out newsletters, adding members to the club registry, scheduling Instagram post times, etc.
- Ensured a more seamless user experience on the FMP website, increasing user activity from 500 monthly visits to 950

## TECHNICAL PROJECTS

**Chromatify | Personal Project**

Jun 2023 - Aug 2023

React | JavaScript | HTML/CSS | Spotify Web API

- Developed a full-stack application using the React framework that analyzes user listening data on Spotify to provide abstract insights about their music preferences
- Utilized the Spotify Web API to retrieve user listening data
- Manually implemented OAuth 2.0 authentication to securely handle user logins and authorize data retrieval
- Created code to execute HTTP POST and GET requests to receive access tokens, top track information, etc., for each user upon login
- Integrated supplementary APIs to extract colors from album covers, provide unique color names, etc.
- Gained valuable experience in full-stack development, working with complex APIs, and the process of project approval

**CS MentorBot | Personal Project**

Jul 2023

Flask | Python | JavaScript | HTML/CSS | OpenAI API

- Developed a specialized, custom chatbot using OpenAI API to help individuals pursuing a career in computer science by providing valuable answers to computer science-related questions
- Implemented code for response retrieval and performing moderation checks as required to ensure smooth communication with OpenAI API
- Created API endpoints in a Python backend to ensure functionality when accessing the chatbot in frontend JavaScript code
- Designed a user-friendly interface using JavaScript and HTML/CSS
- Gained experience in working with modern and fluid technologies, and expanding knowledge in artificial intelligence domains

**Instabat | Personal Project**

Jun 2023

JavaScript | HTML/CSS | Chrome DevTools | Instagram Graph API

- Created a Chrome Extension using JavaScript, HTML/CSS, and Chrome DevTools to provide users with insights into their Instagram follower data
- Utilized the Instagram Graph API to extract current user followers and followings lists, ensuring an accurate and up-to-date list of "unfollowers"
- Included .csv export functionality, allowing users to download a list of "unfollowers" for further action
- Provided a simple and efficient interface using JavaScript and HTML/CSS
- Gained experience in Chrome extension development, web scraping, API integration, and user interface design

## LEADERSHIP AND EXTRACURRICULARS

**CS + Social Good** | Chapel Hill, NC | *Education Team, Project Team*

Jan 2023 - Present

- Engaged in weekly collaborative sessions with a skilled, selected team that learned how to develop projects for social good
- Acquired fundamental skills in developing webpages by learning how to use JavaScript and HTML/CSS with the React framework
- Collaborated with team members using Figma to construct a semester-long personal portfolio project

**Dostana** | Chapel Hill, NC | *Co-Secretary*

Oct 2022 - Jan 2023

- Executed initiatives to increase attendance for Dostana's Bollywood Red Carpet Party, attracting 100+ students through social media
- Retrieved and handled documents from external organizations accordingly during the event planning process
- Managed the tracking of club meeting objectives/goals and club documents as a co-secretary