

KADEN BROWN

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Education

Virginia Commonwealth University

Bachelor of Engineering in Computer Science, Minor in Artificial Intelligence

Expected graduation: May 2026

Richmond, VA

Activities: Technical Member, National Society of Black Engineers (NBSE)

Relevant Coursework

- | | | | |
|-----------------------------|-----------------------|----------------------------------|--------------------------------------------------|
| • Computers and Programming | • Data Structures | • Computer Systems | • Algorithm Analysis w/ Advanced Data Structures |
| | • Discrete Structures | • Fundamentals Software Engineer | |
| | • Linear Algebra | | |

Experience

Cliplanta

December 2023 – Present

Founder, Content Automation Engineer

Richmond, VA

- Built an end-to-end automation system using Python, reducing manual editing and posting time by **90%**, enabling faster content turnaround and scaling.
- Scaled a TikTok page to **50K+** followers, **20M+** total likes, and over **\$7K** in monthly revenue through automated, high-volume content production.
- Boosted content output by **400%** by scripting a custom workflow to convert livestream clips into short-form videos.

CodePath

May 2025 – August 2025

Full-Stack Web Development Fellow

Remote

- Collaborated in a small team to plan, design, and develop a web application from the ground up using **HTML, CSS, and JavaScript**.
- Took part in weekly code reviews and team stand-ups to discuss progress, assign tasks, and troubleshoot issues collaboratively.
- Contributed to both front-end layout and interactive features, ensuring responsive design and cross-browser compatibility.

Projects

DueNow - Smart Assignment Tracker Mobile Application | *React Native, Firebase, Expo, Gemini API* **June 2025**

- Built a mobile app serving **1,000+** potential student users with organizing assignments, tracking deadlines, and receiving intelligent reminders — projected to reduce missed coursework by **90%**.
- Architected Firebase backend infrastructure with real-time database synchronization and Expo push notification services
- Integrated **Google's Gemini API** to automatically parse syllabus PDFs and extract structured assignment data, reducing manual input by up to **85%**.

NBA Game Recap Generator | *Google Cloud, MongoDB, Gemini API*

May 2025

- Built an AI-powered application that automatically generates personalized NBA game recaps using real-time game data and large language models, reducing manual recap writing time by **90%**.
- Integrated Google Cloud and Gemini API to analyze player stats, game flow, and highlight-worthy moments to produce engaging, human-like summaries with **100%** accuracy.
- Optimized API interactions and prompt engineering for accurate, readable, and contextually relevant summaries, reducing editing needs by **60%**.

Medical Adherence System | *Next.js, React, JavaScript, Tailwind CSS*

April 2025

- Collaborated with a team of 4 to develop a full-stack web application that helps patients manage medication adherence, reducing missed doses in simulations by **35%**.
- Integrated FHIR APIs to securely fetch and display real-time prescription data from electronic health records.
- Developed a responsive patient dashboard using Next.js and Tailwind CSS, allowing users to view medications, schedules, and receive timely reminders.

Technical Skills

Languages: Python, JavaScript, Java, C, HTML/CSS, TypeScript

Developer Tools: Visual Studio Code, Git, GitHub, MongoDB Atlas

Technologies/Frameworks: Next.js, React, React Native, Tailwind CSS, REST API's, OpenAI/Gemini API