KADEN BROWN

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Education

Virginia Commonwealth University   **Expected graduation: May 2026**
Bachelor of Engineering in Computer Science, Minor in Artificial Intelligence   *Richmond, VA*

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

Relevant Coursework

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

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