

# Mafaaz Siddiqui

[mafaaz124@gmail.com](mailto:mafaaz124@gmail.com) | [linkedin.com/in/mafaaz-siddiqui](https://www.linkedin.com/in/mafaaz-siddiqui) | [mafaaz124.github.io/portfolio/](https://mafaaz124.github.io/portfolio/)

## EDUCATION

### Georgia Institute of Technology

Aug. 2024 – Dec. 2026

*Bachelor of Science in Computer Science*

*Atlanta, GA*

- Courses: Data Structures and Algorithms, Objects and Design, Computer Organization and Programming, Intro-Artificial Intell, Human Dimension of Cybersecurity, Intro to Perception and Robotics, Linear Algebra, Multivariable Calculus

## EXPERIENCE

### Software Engineer Intern

Sept. 2025 – Present

*narb*

*Remote*

- Developed core featured for **nAgent**, a mobile AI voice assistant using **Expo** and **VAPI** for real-time interactions.
- Implemented a chatbot-based scheduling feature allowing users to automate outbound calls through natural dialogue.
- Improved **TypeScript** services by refining intent handling, prompt logic, and overall conversational reliability.

### Cybersecurity Researcher

Jan. 2025 – Present

*Georgia Tech VIP Program – ACT Driving Simulator Team*

*Atlanta, GA*

- Processed eye-tracking data with **Python** to generate detailed gaze heatmaps and time-series plots, highlighting visual attention shifts during multiple simulation phases.
- Built custom **Python scripts** to efficiently sync and merge EEG/ECG datasets by timestamp, enabling accurate cross-modal analysis of driver attention patterns and vulnerabilities.
- Quantified gaze intersections with 30+ simulator objects, generating focus charts from multi-dimensional gaze vectors.

### Software Engineer Intern

May. 2025 – Aug. 2025

*CirrusLabs*

*Alpharetta, GA*

- Designed and developed a full-stack **CRM** platform using **React.js**, **Django**, and **REST APIs**, enabling management of 100+ active deals and 50+ user accounts across Sales Rep and Admin roles, with emphasis on scalability and maintainability.
- Built secure **authentication workflows** with role-based access; integrated **Google Speech-to-Text API** and **OpenAI GPT-4** for AI-powered voice deal creation, and developed **machine learning models** for predictive sales analytics.
- Enhanced the Lockthreat demo site, a **GRC** platform with 150+ frameworks, by improving **UI responsiveness**, optimizing **backend** performance, and conducting QA testing; delivered measurable improvements in reliability and user experience.

## PROJECTS

### CirrusLabs CRM | *React, Django, JavaScript, Python, HTML, CSS, Git, Agile Scrum*

May 2025 – Aug. 2025

- Collaborated with a team in an **Agile Scrum** environment to design and develop a **full-stack CRM** platform supporting 100+ active deals and 50+ user accounts across Sales Rep and Admin roles.
- Implemented secure authentication and user login workflows with role-based access control, and integrated an **AI-powered** speech-to-text feature that streamlined deal creation through voice input.
- Built a scalable **Django** backend to manage deals, accounts, and pipelines, and developed a responsive **React** frontend for real-time tracking, account management, and activity monitoring.

### Syl Campus | *Python, Django, HTML, CSS, OpenAI, Firebase, Google Cloud*

Mar. 2025 – Apr. 2025

- Collaborated with a team to develop **sylcampus.com**, a **web application** that processes uploaded syllabi and uses **OpenAI's GPT-4o** model with **node-based and N8N automation** to extract academic dates and assignments for calendar generation.
- Implemented a multi-stage document parsing pipeline combining regex, pandas for tabular data extraction, and custom **NLP-driven automation** to detect and repair incomplete syllabus data, achieving 95% accuracy across diverse formats.
- Built an intelligent entity recognition system using pyesseract for **OCR processing** and icalendar for automated event creation, enabling seamless integration with Google Calendar and Apple Calendar.

### Spotify Wrapped | *Python, Django, JavaScript, Heroku, HTML, CSS, Git, Agile Scrum*

Oct. 2024 – Dec. 2024

- Collaborated with a team of 5 to develop a **full-stack** web app that creates 10+ interactive slides showcasing users' their music listening statistics, integrating the **Spotify API** for secure authentication and real-time data retrieval.
- Designed an intuitive UI with 3 selectable themes and support for 3 languages, enhancing accessibility and user customization
- Deployed the app on **Heroku's** cloud hosting infrastructure, ensuring seamless accessibility and usability for up to 500 users.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, HTML/CSS, C, C#, Assembly, MATLAB

**Frameworks/Tools:** React.js, Django, Bootstrap, JUnit, Docker, GitHub, Firebase, Google Cloud, Heroku, REST APIs, OpenAI