

AMAN SINGH

Nashville, TN, 37208 | singh.aman3720@gmail.com | Cell no: 615-693-6222 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Education

Bachelor of Science in Computer Science
Fisk University
GPA: 3.92/4.0

Expected Graduation Date: May 2024

Relevant Course Work: Introduction to Computer Science (I&II), Machine Learning, Data Structures and Algorithms, Introduction to Computer Architecture, Operating System, Applied Data Structures (**Google Campus**), Software Development Studio (**Google Campus**), Calculus I&II, Linear Algebra, Statistics.

Skills

Languages: Python, Java, C, C#, JavaScript, HTML5, CSS3, Bootstrap 5, SQL.

Tools & Frameworks: Flask, Django, Figma, Postman API, Android Studio, Git, GitHub, AutoCAD, Smart Draw, MongoDB, Google Cloud Platform (GCP).

Experiences

Eventbrite, Inc - Software Engineering Intern (Payouts and Billing Team)

May 2022 – Aug 2022

- Worked as a full stack developer to create an internal admin tool called Payout Bulk Action which aims to help in updating payout statuses, correcting large datasets, and cancelling or regenerating payouts in bulk for 100,000+ associated event creators.
- Built a new payout Bulk Action API Endpoint to fetch the payouts data from the database and validated the retrieved data; implemented integration and unit tests for the front-end and back-end of the application.
- Skills:** React (JavaScript), Django (Python), Internal Design Systems, Postman API, SQL, Git.

Google, Inc – Tech Exchange Scholar 2022

Jan 2022 – May 2022

- Selected from a competitive pool of applicants to participate in Google Tech Exchange program – 2022 to explore cutting edge technologies in Software Engineering, Product Management and UX careers with Google engineers.
- Learned and implemented different software development approaches including test driven development, integration tests, unit tests, creating design docs, optimal algorithms.
- Created two dynamic web applications working with the team of 3 under the supervision of Google engineers.
Skills: Figma, Flask (Python), JavaScript, Google Cloud Shell, MongoDB.

CS Teaching Assistant – Google in Residence

Aug 2022 – Present

- Assisted software engineer at Google to teach Intro to Computer Science – I (Python) course to 105+ students at Fisk University.
- Learned to better explain technical concepts, held office hours, gave detailed feedbacks, and received 94% rating from my students.

Fisk Altitude Achievement Missile Team (FAAMT) - Research Intern

Aug 2021 – May 2022

- Collaborated with professors and college students to participate in University Student Launch Initiative (USLI) by NASA and build a rocket to compete with the top 56 selected institutions around the country.
- Worked in the Avionics team to program the microcontroller to fetch the data from IMU (Inertial Measurement Unit) and plotted the data into the girded image of the launch site to find the final position of the rocket after it lands; Also, responsible to make AutoCAD design of the payload.
- Skills:** Python, C, Smart Draw, Scheme it, AutoCAD.

Projects

Black Garden - Google Tech Exchange Group Project | [GitHub](#) |

Feb 2022 - April 2022

- Created a web app using flask which aims to uplift black-owned small businesses and start-ups by supporting them financially.
- Used **Figma, HTML5, CSS3, JavaScript** to develop the front end for the application, implemented test-development approach for the backend of the application, and connected it with the **MongoDB** to store all the user's login information and businesses information.

Task Tracker App - Personal Project | [GitHub](#) |

Aug 2021 – Sept 2021

- Developed a dynamic task tracking application using **React** where users can add tasks, delete tasks, or set reminders to their tasks.
- Used JSON server as a mock backend to store the data, fetch the data, toggle reminders, and delete the data from the server.

Club Management System App | [GitHub](#) |

Nov 2020 - Present

- Created a GUI based **Java** app all the details of the clubs in the database, allowed to add new soccer club in the database, remove the club data from the database, showed club budget, and allowed to sort information based on the first name last name of the club, established year, and amount of budget.

Leadership Experience

AESP/Lead Tutor: Fisk University

Oct 2021 – Present

- Using math lab, repl.it, google docs to tutor 10+ students on Algebra, Precalculus, Calculus I, Calculus II, Intro to Computing, Intro to Computer Science (I&II) and Physics.

Expedition EY: Ernst & Young

April 2021- Present

- Selected from a competitive pool of applicants from across the US to explore career opportunities in professional services.
- Complete on-demand learnings in a variety of areas and network with professionals.

Additional Information

- Honors:** Fisk Executive Leadership Program 2021-2022, Provost Scholar - Fisk University (Full-Tuition Scholarship), W.E.B Dubois Honors Program (Aug 2020 – Present), Annual Endowed Scholar 2020.
- Activities:** Equinix Hackathon (1st placeholder), Zillow HBCU Hackathon - 2021, Cuse Hacks Hackathon -2021, Google HBCU coding challenge (2021 & 2022), Fisk Esports Club, Fisk Computer Science Club.