

MANISHA BASNET

Nashville, TN | +1 (917) 962-3558 | basnetmaneesa@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Fisk University Bachelor of Science in Computer Science (Honors) Relevant coursework: Intro to Computer Science (Google in Residence Program), Introduction to Computer Science II (Java), Data Science for Social Justice, Calculus I & II	Expected Graduation: May 2026 CGPA: 4.0
---	--

SKILLS

TECHNICAL SKILLS: Java, Python, HTML, CSS, Protocol Buffer, Tableau, MS Office
TOOLS AND FRAMEWORKS: Guice, VS Code, PyCharm, Git, GitHub

EXPERIENCE AND LEADERSHIP

Google, STEP Intern, Mountain View Storage flow RPC: <ul style="list-style-type: none">Developed a fully functional RPC (Remote Procedure Call) using Java, Guice and Protocol Buffer along with other internal tools to facilitate the photo downsizing process to save storageCollaborated with Google Photos Team to keep track of the development as well as to conduct code reviewsValidated the RPC with 10+ unit tests Storage Visualization Graph: <ul style="list-style-type: none">Implemented correct logic to internal Quota (Storage) Overview Graph using Java that helps engineers visualize correct amount of storage used by user at a particular timestampConducted code reviews, 5+ unit tests as well as integration test to validate the code along with documentation	May 2023 – August 2023
Tutoring, Lead Student Tutor, Goldengate International Secondary School <ul style="list-style-type: none">Strategized and initiated virtual tutoring to 48 high school students using virtual learning platform during Covid 19 pandemic to ease the shift from in-person to virtual learningDesigned and developed curriculum and provided one-on-one mentoring sessions to each student to clear doubts which resulted in increased academic performance of every student by 30% as per statistics by Goldengate record center (2021)	March 2019 – January 2022

PROJECTS

Search Engine <ul style="list-style-type: none">Built a search engine using python that accepts input from the user and ranks and displays the pages in order of relevanceAdded advanced search features such as multiple keywords search and title length limitation to reduce search time; performed 200+ unit tests and 10+ integration tests to validate the program	September 2022 –November 2022
Blackjack Game <ul style="list-style-type: none">Developed a Command Line based card game using python conditionals and OOP; used documented helper functions to hold both sets of points (automated dealer and players) to determine a winner; performed unit and integration tests following industry standards	August 2022 – September 2022

AWARDS AND HONORS

W.E.B. Dubois Honors Scholar, Fisk University	July 2022 - Present
Ella Shepherd Moore Provost Scholarship, Fisk University	May 2022 – Present
CFA (Center for Financial Advancement) Scholarship, Fisk University	April 2023 – Present
Goldengate Valedictorian Award 2020, Goldengate International secondary School	December 2020
Goldengate Merit Scholar Award, Goldengate International secondary School	July 2018 – August 2020

ON-CAMPUS INVOLVEMENT

University Innovation Fellowship <ul style="list-style-type: none">Led a team of fellow scholars to purpose a maker’s space at Fisk University where students from all major can collaborate on projects and make prototypes	July 2023 – Present
Fisk Rocket Club Outreach team, president <ul style="list-style-type: none">Advanced the Fisk Rocket Club outreach team to organize a high school science fest at Statford High School; judged 25+ science projects and educated the students on ongoing Fisk avionics research on best navigation method for rockets Avionics team, Active member <ul style="list-style-type: none">Working on ongoing NASA floating balloon challenge 2023 and NASA mind challenge 2024	September 2022 – Present
Fisk Computer Science Club, Active member <ul style="list-style-type: none">Advocated for tech literacy and organized educational fairsParticipated in Google Hack Fest and Fisk-Belmont Hackathon	August 2022 - Present