

SUMMARY

Computer Science student with a strong background in full-stack development, cloud computing, and machine learning. Developed innovative solutions to enhance user experiences and effectively led end-to-end projects while collaborating with team members.

EDUCATION

Fisk University

Bachelor of Computer Science | GPA: 3.85

Nashville, Tennessee

Expected Graduation: May 2026

Relevant Coursework:

Data Structures, Algorithms, Computer Systems, Software Development, Computer Architecture, Database Systems.

TECHNICAL SKILLS

Programming languages: Java, C++, Python(Django), HTML/CSS, Javascript, Swift, C#
Tools and Technologies: Git, Linux, Docker, Gitlab, Jira, Maven
Frameworks: Angular, Springboot, Vue.js, React Native
Database/Cloud: AWS, Azure, MySQL, Oracle, Terraform, PostgreSQL

WORK EXPERIENCE

ZS Associates

Immersive programmer

07/2024, Evanston, IL

Led the development of a **mobile health application**, using React Native and MongoDB for database, increasing prostate cancer screening appointment bookings by **30%** among high-risk populations.

Conducted assessments to identify disparities in prostate cancer screenings, leading to a **25%** increase in awareness and education.

Collaborated with cross-functional teams to incorporate user feedback into the app design, enhancing educational resources and user engagement, which contributed to a **15% increase in user retention** and ongoing participation in screening programs.

Goldman Sachs

Immersive Data Engineer (Market Madness Scholar)

[Demo video](#)

06/2023-03/2024

Worked together with GS Professionals and Nike to develop a mixed reality application for Meta Quest 3 using Unity 3D and leveraging Metamask.

Analyzed data to identify pain points in identity and access management systems, leading to a **20%** reduction in processing times for change management projects.

Led user testing for content updates in **learning platforms**, identifying and addressing bugs through detailed reports and troubleshooting efforts.

Received Best Concept Design for the project after being selected from **300** students out of **5,000** applicants, recognizing outstanding creativity

Fisk Altitude Achievement Missile Team

Payload Lead

06/2023-Present

Led a team of eight people under faculty supervision to compete in **NASA’s** University Student Launch Initiative (USLI), a rocket launch competition, representing Fisk University among 56 selected institutions nationwide.

Developed and programmed a microcontroller system to collect data from the **Inertial Measurement Unit (IMU)**, accurately mapping the rocket’s final landing position on a gridded image of the launch site.

Managed development of payload components (Pterodactyl, Camera Systems, Iridium Modem) using **C++** and **Arduino**, boosting performance.

Himal Recruitment Services

Software Engineering Intern

05/2022 - 08/2022

Cooperated with a document management team to develop and enhance system features (upload, search, retrieval) using Java and Spring Boot, resulting in a **30%** performance improvement.

Installed/configured Red Hat Enterprise Linux (RHEL) 6/7 and established remote log management with **Filebeat** and **Logstash**.

Optimized **Oracle SQL queries** and **automated system tasks using Unix shell scripts**, resulting in a **20%** increase in data retrieval speed.

LYFT

Back-end Engineering Job Simulation Program

Remote, 08/28/2023

Redesigned the architecture of a Lyft rental car servicing system, accommodating evolving service criteria and resulting in a **25%** improvement in system performance

Refactored codebase for improved quality and maintainability; executed **unit tests** using **TDD**, enhancing reliability.

Fisk University- Teaching Assistant

04/2022-05/2024

Assisted professors in teaching discrete mathematics and computer architecture courses to 150 students.

Conducted office hours and provided detailed feedback, achieving a 95% performance rating.

PROJECTS

[My Own Version Control System](#) | JavaScript | Oct 2024

Created a custom version control system in JavaScript that replicates Git's core features, such as file staging, commit history, and version tracking, leading to a **40%** reduction in time spent on version management tasks.

Applied file content hashing using **SHA-1** algorithm with Node.js crypto module to generate unique 40-character hashes for tracking file changes.

Automated commit logging and retrieval with **JSON**-based commit data allows users to efficiently view commit history and track changes across versions, resulting in a **30%** improvement in user productivity.

Improved version control features by using data structures like **hash maps** for file metadata storage and **linked lists** for commit history management, enhancing algorithmic skills.

[ServiceFusion](#)| Angular, Springboot, MySQL| May 2024

Designed a service booking platform using Angular, Spring Boot, MySQL, and Ng Zorro UI, improving booking efficiency by 30% and providing a user-friendly experience.

Conducted thorough **unit and integration testing**, ensuring code quality and identifying potential issues early in the development cycle.

[AI YOGA Trainer \(Awarded First-Place FRS 2024\)](#) | ReactJS, Tensorflow | Apr 2024

Created an AI fitness trainer system using MediaPipe for real-time pose estimation and OpenCV for image processing.

integrated webcam access and sophisticated image processing to optimize video frames for the PoseNet model, leading to a **50% increase in user adherence to fitness programs** and improvements in overall user satisfaction.

[Make a Wish Mobile App \(Morgan-Stanley Code to Give Winner\)](#) | React Native, Firebase, AWS | Apr 2023

Led the development of a mobile app for Make a Wish, a nonprofit organization that grants wishes to children with critical illnesses.

Designed a user-friendly interface for the app and web portal using **React Native**.

Executed FastAPI to handle requests to the REST API, resulting in a significant performance boost of **200%**.

[Robotic Arm Project](#) | Solidworks, Arduino, Python | Dec 2022

Constructed and built a robotic arm capable of gripping and moving objects with a **success rate of 95% in task completion** during testing phases.

Applied control algorithms to achieve precise accuracy and control, enabling the arm to complete tasks with a 1 mm margin of error.

[Talkify](#) | NodeJS, ReactJS, ChatEngine.io | May 2023

Successfully deployed the website on **AWS**, configuring **MySQL** databases on **Amazon RDS**, **EC2** instances for hosting, and **S3 buckets** for media storage.

Deployed a **Python** backend for seamless integration with the front end, ensuring efficient data processing, validation, and database operations.

Leveraged **AWS Route53** for domain name management, facilitating easy access to the website.

LEADERSHIP

Google Developers Student Club

Organized and led workshops, hackathons, and study sessions focusing on Google technologies: Android development, Google Cloud, and TensorFlow.

Exhibited strong teamwork by fostering collaboration with the crypto innovator, leading to successful tech events to inspire the future of humanity with technology.

AWARDS/HONORS

Awards/Honors: Trustee Award, Springfield College (2021), awarded for highest merit and received **\$24,000** of recognition.

- Outstanding Scholars and Leaders Award, Fisk University (2023): Recognized for academic excellence and leadership in the community, receiving **\$15000** in a year. Thrill of Possibility Scholar (2023) (**Nissan**), Innovative Scholar 2024 (**Meta**)
- CERTIFICATIONS:** [Goldman Sachs Software Engineering Virtual Experience Program](#), [Introduction to Front-End Development \(Meta\)](#), [Google Cloud Fundamentals: Core Infrastructure](#), [Foundations of Project-Management](#)