

Sandesh Gnawali

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EDUCATION

Fisk University

Aug 2022 - May 2026

Bachelor of Science in Computer Science, GPA 4.0

Nashville, TN

- **Relevant Coursework:** Introduction to Computer Science I(Google In Residence)(Python) & II(Java), Intermediate Web Development (Codepath), Data Structures and Algorithms (Apna College), Data Science for Social Justice

SKILLS

Languages: Python, Java, Javascript, HTML

Tools/Technologies: CSS, ReactJS, MongoDB, Git, Github, Figma, Microsoft Office

PROJECTS AND EXPERIENCE

Explorezy

Website/Code

April 2023

React, HTML, CSS

- Developed a **location-based** web app for users to search and add tourist destinations using **ReactJS**
- Integrated **Supabase APIs** for retrieving and adding destination information like names, descriptions, and popularity
- Implemented user authentication and authorization for verified users to add, edit, and delete destinations
- Increased visibility and accessibility of local tourist destinations, leading to increase in local tourism

Word Solver

Code

Dec 2022

Python

- Developed an engaging **text-based** word solver game with **multi-player** functionality, challenging players to guess the longest possible words from a given set of letters
- Utilized **functional programming** concepts and implemented robust **software testing**
- Achieved a notable improvement in **problem-solving** abilities and **vocabulary** expansion, enhancing **critical thinking** and **language skills**

Power Youth

May 2023 - July 2023

Tutor

- Tutored **90** middle school and high school students in mathematics, programming, critical thinking, and problem-solving
- Designed and implemented engaging games that enhanced students' **problem-solving** and **critical-thinking** abilities
- Utilized educational technologies and resources to create **immersive** and **interactive** learning experiences
- Increased the students' performance in the relevant subjects

LEADERSHIP AND SERVICES

TMCF Meta Scholar Program(Remote)

March 2023 - May 2023

Meta Scholar

- Participated in an immersive program on the **Metaverse** and its impact on business, gaining skills in Metaverse training, **Cryptonomics** and **Tokenomics**, **design thinking**, and **Metaverse pitching**
- Participated in networking opportunities with **Web 3.0** professionals and industry experts

Excel With Dell Mentorship Program(Remote)

Jan 2023 - April 2023

Mentee

- Received guidance and feedback from Dell Technologies team members to grow as a professional, and gain insights into **data analysis**, **financial modeling**, and **project management skills**
- Built a professional network, established connections with industry professionals, and received individually tailored professional guidance to prepare for future opportunities
- Selected from a competitive pool of over **30 HBCUs**

HACKATHONS

HBCU Smart Cities Challenge

Website/Code

Dec 2022 - Feb 2023

Developer

- Developed and presented a **smart city application** to manage city waste
- Utilized **IoT sensors** to distinguish the **type of waste** and find the **trash fill capacity** for efficient waste management
- Gained practical experience in **project management**, teamwork, and problem-solving while developing skills in coding, **data analysis**, and **public policy**
- Reduced the **waste collection cost** and **waste separation cost** by **20%**

Google HBCU Hackathon

March 2023

Developer

- Designed a user interface and user experience **UX/UI** design of the festive locating app, **CelebrateIt**, using **Figma**
- Implemented a **location tracking system** that enables users to search festivals in their nearest location
- Added **multiple filters** to enhance the search for festivals
- Increased societal participation to connect the disintegrated communities by **22%**