

Keepa Maharjan

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EDUCATION

Caldwell University, Caldwell, NJ

Bachelor of Science in Computer Science and Mathematics

Expected May 2028

GPA : 4.0/4.0

PROJECT HIGHLIGHTS

Project 1: Personal Portfolio

Technologies: HTML | CSS | JavaScript

Project Description:

- Designed and developed a personal website to showcase skills, projects, and professional portfolio.
- Optimized website performance and accessibility for a seamless visitor experience.

Project 2: Asteroid Impact Simulator

Technologies: HTML | CSS | JavaScript

Project Description:

- Developed an interactive web-based simulator integrating real NASA and USGS data to model asteroid impacts and visualize potential effects.
- Implemented dynamic dashboards and 3D/2D visualizations for impact parameters, mitigation strategies, and predicted effects like craters, seismic activity, and tsunamis.

Project 3: Spotify Clone

Technologies: HTML | CSS | JavaScript

Project Description:

- Designed a Spotify-inspired music player interface using HTML and CSS, focusing on a dark-themed, modern aesthetic.
- Developed a responsive layout that adapts seamlessly from mobile phones to laptops, ensuring optimal user experience across devices.

Project 4: Movie Review Survey

Technologies: Tkinter

Project Description:

- Developed a desktop GUI application using Python and Tkinter for interactive movie and TV show surveys.
- Added animated background stars using the Canvas widget to enhance visual appeal and user experience.
- Demonstrated skills in GUI development, event handling, user interaction design, and Python programming.

Project 5: Global Crude Death Rate Analysis

Technologies: Numpy, Pandas, Matplotlib

Project Description:

- Collected and analyzed World Bank crude death rate data, identifying outlier countries using the IQR method.
- Visualized trends with boxplots and line graphs; performed correlation analysis with GDP, life expectancy, and population.
- Exported data, statistics, and high-resolution plots for reporting and further analysis.

EXPERIENCES

Supplement Instructor Leader, Caldwell University September 10 - Present

- Designed learning activities to encourage collaborative learning

Pre-primary Teacher, Baby Bloom Kindergarten February 2024 - October 2025

- Developed and implemented lesson plans to foster children's cognitive, social, and emotional growth.

NOBEL Learning PBC November 2024 - February 2025

- Led and guided peers in basic internet trouble-shooting courses and presented on Website Development.

Prodigy-Info Tech January 2024

- Developed and maintained responsive websites using HTML, CSS, and JavaScript

SKILLS

Front-end : HTML, CSS, JavaScript, Tkinter, Bootstrap, Web API, React

Back-end : MySql, PHP

Tools : Git, Github, Figma

Other Related: Matplot, Pandas, Numpy

HONORS

- **Cougar Hacks Hackathon Winnner** for best UI/ UX design
- **Research Presenter** at CCSC Eastern Conference
- **Dean's List** for outstanding academic record at Caldwell University
- **Academic Excellence Award** for highest GPA in Secondary Education Examination (by Public Educational Trust School)
- **Academic Excellence Award** for highest GPA (December 2021) at Sainik Awasiya Mahavidyalaya
- **Academic Excellence Award** for highest GPA (December 2020) at Sainik Awasiya Mahavidyalaya