Malashree Dhungel

Vermillion, SD, 57069 | +1 (720) 343-0205
Malashree.dhungel@coyotes.usd.edu | LinkedIn Profile | GitHub

EDUCATION

Bachelor of Science (B.S.) - Computer Science   **Expected Graduation: May 2026**
University of South Dakota, Vermillion, SD
Mathematics Minor, CGPA: 3.69/4.00

CERTIFICATIONS

Computer Science, *Codecademy* – Aug 2024
SQL, *Codecademy* – Apr 2024

Relevant Courses:

- Algorithms and Data Structures (CS 355)
- Theory and System Fundamentals
- CS 155&255
- Calculus II
- Statistics

SKILLS

Intermediate in: C#, Python, Java, HTML, Object Oriented Programming, Data Structures, Algorithms, State Machines
Other Tech Skills: PostgreSQL, CSS, JavaScript, Tableau, Git, Spring Boot, .NET
Others: Communication, Writing, Time Management, Teamwork, Creative Problem Solving

EXPERIENCE

Software Engineering Fellow   **July 2024 - Present**
HeadStarter AI
- Contributed to the team's efforts by leveraging new knowledge and skills to solve complex problems and improve software development processes.
- Engaged in contributing to software engineering projects, focusing on developing and optimizing high-performance solutions.
- Attended the Pathways2Tech event hosted by HeadStarter, gaining valuable insights from industry experts in software engineering and startups.
- Actively participating in coding challenges to refine my skills.

President   **Mar 2023 – Present**
USD-ACM, Vermillion, SD
- Lead a student organization focused on computer science and technology, fostering an environment of learning and innovation.
- Organize workshops and lectures on advanced tech skills and industry trends, enhancing team members' technical skills.
- Collaborated with other student organizations to host successful events.

Research Trainee   **Jan 2024 - Present**
USD Applied Artificial Intelligence Research Lab (2AI)
- Contributed to ongoing projects and assisting with data analysis and algorithm development.
- Gained valuable insights into AI technologies and methodologies through active participation in research meetings and discussions with graduate students and professors.
- Collaborated closely with the research team to support their projects, providing assistance in various aspects of research, including data collection, model training, and evaluation.
- Enhanced professional skills and knowledge by engaging in cutting-edge AI research and contributing to the advancement of the lab's objectives.

Computer Science and Mathematics Instructor   **Sept 2021 – Mar 2022**
Bishwa Shiksha Sadan Secondary School, Kathmandu

- Taught computer science and mathematics, creating engaging curricula that emphasized problem-solving and analytical skills.
- Developed and delivered lesson plans that improved students' understanding of programming and mathematical concepts.

Projects/Research:

Magic 8-Ball:
One of the projects I completed during my Computer Science career path in Codecademy. Here, I have used my python skills and Python's Tkinter for GUI construction. I also used my Git and GitHub skills to make it available in my GitHub profile.

Hangman:
Used Python's Turtle package and created a program for Hangman Game in Google Colab showcasing all the skills I learned during my first semester.

Task Manager Application (C#):
Built a task management application using C# and .NET framework. This application allows users to create, manage, and organize tasks with features such as deadlines, priority levels, and notifications. The project demonstrates proficiency in object-oriented programming and user interface design.

E-commerce Web App (Java):
Developed an e-commerce web application using Java, Spring Boot, and MySQL. The application supports user registration, product listings, shopping cart functionality, and order management, highlighting skills in full-stack development and database integration.

Stock Market Simulator (Java):
Designed and implemented a stock market simulation tool in Java. This project involved creating a realistic trading environment where users could simulate trading stocks, track portfolio performance, and analyze market trends using real-time data.

Honors and Awards

Computer Science Scholarship, Dean's List of Students