

Vrishank Paladugu

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EDUCATION

UNIVERSITY OF WISCONSIN - MADISON

Bachelor of Science in Computer Science & Bachelor of Science in Data Science

Madison, WI

Expected May 2025

- **GPA:** 3.95 / 4.00 | Dean's List

PARKWAY SOUTH HIGH SCHOOL

Manchester, MO

- **Cumulative GPA:** 4.00 | **Weighted GPA:** 4.50 (5.00 scale) | Summa Cum Laude

Aug 2017 - May 2021

EXPERIENCE

INTRODUCTION TO DATA SCIENCE – TEACHING ASSISTANT

Madison, WI

University of Wisconsin - Madison

May 2023 - Present

- Facilitated in-class activities and discussions, including one on one office hours to offer guidance on topics such as machine learning
- Fostered an engaging and interactive learning environment to promote students' understanding of data science concepts.
- Help grade assignments and provide constructive feedback to students, encouraging their growth.

TEAM MEMBER

Madison, WI

University of Wisconsin – Madison Housing

August 2021 – January 2022

- Collaborative team player, communicating and coordinating with kitchen staff to ensure smooth operations during busy hours.
- Demonstrated a strong work ethic by working long hours, including opening and closing shifts
- Received feedback from customers and implement solutions to problems to increase efficiency and customer satisfaction.

ACTIVITIES

DATA SCIENCE CLUB

Madison, WI

Active Member– University of Wisconsin – Madison

Jan 2022 - Present

- Attended weekly meetings to collaborate on personal data science projects, while also tutoring those who need help in class
- Participated in a variety of outreach programs to allow others to develop the same passion for Data Science that I have

FIRST TECH CHALLENGE

Manchester, MO

Team 407 Co-Captain – Parkway South High School

Aug 2017 - May 2021

- Supervised team meetings and facilitated brainstorming activities to generate innovative solutions to our problems
- Recruited the brightest students and mentored them, allowing them to work in areas they excelled in and enjoyed
- Directed the successful incorporation of gyroscope and computer vision technology into our autonomous driving program

PROJECTS

JAVA POKER LIBRARY

March 2023

- Developed a Java Poker Library capable of accurately determining the winning hand from a given set of cards using advanced hand-ranking algorithms.
- Implemented efficient simulation processes to calculate the probability of a player's hand winning against other opponents, aiding in game analysis and strategy development
- Published the library on GitHub, enabling developers to build and develop applications using this library to help foster new strategies

CERTIFICATE IN CS50: AI – HARVARD EDX

July 2023

- Learned a variety of AI algorithms and models, such as MiniMax, Markov Chain, TensorFlow, and KMeans
- Demonstrated my mastery by completing a variety of projects, from Minesweeper AI to a Natural Language Processor

PERSONAL WEBSITE

November 2021 - Present

- Designed and programmed a website from scratch using PHP and SQL with CSS and Bootstrap for the frontend, with functional UI scaling on mobile and desktop.
- Used state of the art hashing and password storage to make a highly secure login page as well as a fully functioning blog
- Provided the entire source code for the website on GitHub to allow other developers to build or inspire their apps

BDPA HIGH SCHOOL CODING COMPETITION – 1ST PLACE

February 2017 – August 2018

- Demonstrated exception coding abilities and problem-solving skills in a highly competitive, 7 hours offline hackathon.
- Utilized PHP and SQL to develop a scalable application as a team to solve the challenge presented to us to complete
- Secured victory by presenting a well-designed and functional project to the judging panel
- Interacted with numerous industry professionals, from our mentors at Monsanto to various BDPA sponsors like American Express

SKILLS & INTERESTS

Skills: Python (pandas, NumPy, scikit-learn, Matplotlib), Java, R, SQL, PHP, HTML5, CSS, C, Word, PowerPoint, Excel, Git

Interests: Movies, Sitcoms, Fitness, Reading, Cooking, Traveling, Music, Film Photography