Vrishank Paladugu

251 Arbor Trails Drive, Ballwin MO 63021
(314) 420-2778 | me@vrishankp.com | vrishankp.com

EDUCATION

UNIVERISTY OF WISCONSIN - MADISON Madison, WI
Bachelor of Science in Computer Science & Bachelor of Science in Data Science *Expected May 2025*
- **GPA:** 3.95 / 4.00 | Dean's List

RELEVANT COURSES:
Programming with Java (I-III), Data Science Programming (I & II), Machine Organization, Introduction to Computer Engineering, Linear Algebra, Introduction to Discrete Math, Introduction to Algorithms, Introduction to Artificial Intelligence

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 CHALLANGE 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
- Interreacted 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, PowerPoint, Excel, Git, Linux
Interests: Movies, Fitness, Reading, Cooking, Traveling, TV Shows, Music, Film Photography