

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
May 2025

- **GPA:** 3.91 / 4.00 | Dean's List

RELEVANT COURSES:

Java Programming and Data Structures, Data Science with Python, Machine Organization, Computer Engineering, Linear Algebra, Discrete Math, Algorithms, Artificial Intelligence, Operating Systems, Compiler Design, User Interfaces with React and React Native

EXPERIENCES

AUTOMATION ENGINEER INTERN

Madison, WI

Safety National

May 2024 – August 2024

- Developed and implemented automated scripts to replace manual tasks, reducing completion time by up to 55%
- Reduced overhead by 20% by engineering robust and reusable automation frameworks using Selenium and Java
- Successfully published and integrated finalized automation scripts onto Jenkins production servers, ensuring they run in perpetuity
- Presented work to IT department and other key stakeholders, effectively communicating the impact and benefits of the work

INTRODUCTION TO DATA SCIENCE – PEER MENTOR

Madison, WI

University of Wisconsin - Madison

May 2023 – June 2024

- 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.
- Spearheaded efforts to make more personal and interesting projects, increasing student satisfaction by 10%

ACTIVITIES

SPORTS ANALYTICS CLUB

Madison, WI

Founding Member– University of Wisconsin - Madison

September 2023 – May 2025

- Developed and implemented regression models to predict batting average vs pitch type
- Participated in discussions and workshops with analysts across many sports leagues to understand the benefits of their works in keeping players safe.
- Increased recruitment by 40% by attending outreach programs and networking with staff in the Data Science Department

PROJECTS

CAPSTONE PROJECT

Madison, WI

PBS Wisconsin

September 2024 – December 2024

- Collaborated on developing an AR application to enhance user engagement through immersive historical site visualization.
- Followed Design Thinking philosophy by developing prototypes using Figma and interviewing target demographics for suggestions
- Coordinated efforts using Agile methodologies, Jira, and Scrum to ensure timely and efficient project delivery.
- Constructed front-end functionality using React and Mind AR to provide a seamless and interactive user experience.

JAVA POKER LIBRARY

- 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

PERSONAL WEBSITE

November 2021 - Present

- Designed and programmed a website from scratch using Next.js and Tailwind CSS
- Developed a responsive and scalable user interface optimized for seamless user experience across mobile and desktop platforms
- Deployed the website using Vercel, leveraging its CI/CD pipeline and global CDN for fast, reliable performance
- Provided the entire source code for the website on GitHub to allow other developers to build or inspire their apps

SKILLS & INTERESTS

Skills: Python (pandas, NumPy, scikit-learn, Matplotlib), Java (Selenium), SQL, PHP, HTML5, Excel, Git, Linux, Jira, Agile

Interests: Movies, Fitness, Reading, Cooking, Traveling, TV Shows, Music, Film Photography