Aadarsha Gopala Reddy

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EDUCATION

Bachelor of Arts in Computer Science and Data Analytics, Ohio Wesleyan University, Delaware, Ohio, USA   **May 2023**

- *Minor:* Economics
- *Cumulative GPA:* 3.42/4.00
- *Relevant Coursework:* Computer Organization, Theory of Computation, Algorithm Analysis and Design, Impacts of Big Data, Data Visualization and Presentation, Methods in Data Analytics, Database Systems, Data Mining and Machine Learning, Artificial Intelligence, Applied Statistics.
- *Programming Languages:* C++, Java, Python, R, C#, Rust, SQL, MIPS, Scheme, JavaScript (Node.js, React), HTML, CSS.
- *Software:* Visual Studio, Tableau, Power BI, Amazon Web Services, Microsoft 365, Google Workspace.
- *Spoken Languages:* Proficient in English, Kannada, Telugu; Fundamental in Hindi.

RESEARCH EXPERIENCE

Opinion Survey on Artificial Intelligence in the Workplace, Ohio Wesleyan University, Delaware, Ohio, USA

DATA 490 – Independent Study   **Spring 2023**

- Conducted research on the impact of AI on 250 employees within each of four industries using survey data under the mentorship of Dr. Nicholas Dietrich.
- Analyzed data using Tableau dashboards and R to identify trends and common opinions.
- Presented preliminary results on AI's positive impact on employee work at the OWU Spring Student Symposium.

Connect 4 AI, Ohio Wesleyan University, Delaware, Ohio, USA

CS 340 – Artificial Intelligence   **Fall 2022**

- Developed a Connect 4 game in Java with a single-player mode against an AI opponent and a multiplayer mode for two human players.
- Used the alpha-beta pruning algorithm to create a challenging AI opponent that can test players of all skill levels.

Artificial Intelligence in Modern Board Games, Ohio Wesleyan University, Delaware, Ohio, USA

Summer Science Research Program   **Summer 2022**

- Developed a digital version of the Lost Cities card game using Java in 2 weeks under Dr. Sean McCulloch's mentorship.
- Implemented an intelligent agent that played the game against a human, winning 13 of 18 games in testing.

TEACHING EXPERIENCE

Computer Science Lab Assistant, Ohio Wesleyan University, Delaware, Ohio, USA   **2021 - 2023**

- Tutored approximately ten students for over 6 hours per week, assisting with homework and exam preparation for introductory, intermediate, and advanced coursework.
- Tested and graded assignments for around thirty-five students in introductory and intermediate computer science classes.

English Teacher, Indus International School Bangalore, Bengaluru, Karnataka, India   **2018 - 2019**

- Taught conversational English to twenty local homemakers and workers for 6 months as part of a 5-student team.
- Designed and delivered customized 7.5-hour curriculum weekly centered around their work environments under teacher supervision.
- Provided foundational English skills through practical lessons.

INDUSTRY EXPERIENCE

Data Analyst, Lab714, Boca Raton, Florida, USA   **Summer 2023 - Present**

- Developing software using React.js and AWS that works with proprietary IoT devices to extract, organize, and analyze data.
- Generating meaningful client-facing results from the data, which create significant cost savings.

Media Center Assistant, Ohio Wesleyan University, Delaware, Ohio, USA   **Fall 2021 – Spring 2023**

- Set up and tore down audio-visual equipment, logged equipment movement using Sierra, and created appointments for use of spaces.
- Assisted with providing AV systems and support for events, ensuring successful setup and execution.

AWARDS & HONORS

Dean's List, Ohio Wesleyan University	**Spring 2022 & Spring 2023**
Golden Bishop Award, Ohio Wesleyan University	**Spring 2023**
Sophomore Year Florence Leas Prize, Ohio Wesleyan University	**Spring 2022**
First Place – 32nd Annual Spring Programming Contest, Denison University	**Spring 2022**
International Baccalaureate Scholarship, Ohio Wesleyan University	**2020**
Scholar, Next Genius Scholarship Foundation	**2020**

PRESENTATIONS

"Artificial Intelligence Opinion Survey," Spring Student Symposium, Ohio Wesleyan University   **Spring 2023**

"Artificial Intelligence in Modern Board Games," Patricia Belt Conrades Summer Science Research Symposium, Ohio Wesleyan University   **Fall 2022**

CAMPUS INVOLVEMENT

Hindu Student Council, Ohio Wesleyan University, Delaware, Ohio, USA

Treasurer and Founding Member   **Spring 2023**

- Requested funds from the Wesleyan Council on Student Affairs and organized events to raise awareness of Hindu cultural heritage and provide youth leadership development and volunteer opportunities.

Wesleyan Council on Student Affairs, Ohio Wesleyan University, Delaware, Ohio, USA

Budget Committee Senator   **Fall 2022 – Spring 2023**

- Proposed, discussed, and decided bills for the senate and oversaw budget allocation of over $350,000 each year to individuals, clubs, and organizations on campus.
- Awarded WCSA Best New Member Golden Bishop Award for making the outstanding contributions to the council's missions, goals, and agenda.

Campus Programming Board, Ohio Wesleyan University, Delaware, Ohio, USA

Vice President of Finance   **Spring 2022 – Fall 2022**

- Successfully planned, created, and implemented budgets totaling over $86,000 each year for campus events.
- Initiated and led revamp of organization's governing documents, implementing efficient practices.
- Negotiated an additional $10,000 per year with the Wesleyan Council on Student Affairs.

Marketing Committee Member   **Fall 2020 – Spring 2023**

- Created social media campaigns and print materials to engage students and promote events.
- Coordinated marketing efforts including posters, tabling, giveaways, and contests to boost attendance at events.

Horizons International Club, Ohio Wesleyan University, Delaware, Ohio, USA

Marketing Committee Chair   **Fall 2021 – Fall 2022**

- Created and implemented a comprehensive marketing plan for events.
- Oversaw social media, and created and delegated posters, flyers, banners, and other advertising strategies.

REFERENCES

Dr. Sean T. McCulloch, Professor of Mathematics and Computer Science, Ohio Wesleyan University

Dr. Nicholas Dietrich, Assistant Professor of Data Analytics, Ohio Wesleyan University

Ms. Elaine Chun, Multimedia Technology Services Manager, Ohio Wesleyan University

Mr. Rakesh Reddy, Owner & Chief Engineer, Lab714