

# Aadarsha Gopala Reddy

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## SUMMARY

Data analyst and programmer with a passion for solving real-world problems. Proven ability to use data to identify trends, develop insights, and make recommendations. Strong communicator and mentor committed to community service.

## SKILLS

**Core Competencies:** Logic and Reasoning, Analysis, Problem solving, Critical thinking, Communication, Teamwork, Leadership, Adaptability, Time management, and Attention to detail.

**Technical Skills:** C++, Java, R, Python, C#, Rust, SQL, MIPS, Scheme, JavaScript (Node.js, React), HTML, and CSS.

**Software:** Visual Studio, Tableau, Power BI, Amazon Web Services, Microsoft 365, and Google Workspace.

**Languages:** Proficient in English, Kannada, Telugu; Fundamental in Hindi.

## WORK EXPERIENCE

**Lab714** | Boca Raton, Florida, United States – 06/2023 – Present

**Data Analyst Intern**

06/2023 – 05/2023

- Developing software using React 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.

**Ohio Wesleyan University** | Delaware, Ohio, United States – 09/2021 – 05/2023

**Computer Science Lab Assistant**

01/2022 – 05/2023

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

**Computer Science Researcher**

05/2022 – 07/2022

- Developed and tested a digital version of the card game Lost Cities using JAVA in 2 weeks.
- Implemented an intelligent agent that played the game against a human, winning 13 of 18 games in testing.
- Presented at the Patricia Belt Conrades Summer Science Research Symposium as part of OWU Connection Conference.

## EDUCATION

**Washington University in St. Louis** | St. Louis, Missouri, United States

08/2024 – Present

**Master of Science in Computer Science**

**Ohio Wesleyan University** | Delaware, Ohio, United States

05/2023

**Bachelor of Arts in Computer Science and Data Analytics, Minor in Economics** – Cumulative GPA: 3.42/4.00

- Honors:** Golden Bishop Award, Mortar Board, Florence Leas Prize, Spring 2022 and Spring 2023 Dean's List.
- 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.

## PROJECTS

**Opinion Survey on Artificial Intelligence in the Workplace** – [GitHub/DATA490](https://github.com/Aadarsha2002/DATA490)

01/2023 – 05/2023

- Conducted research on the impact of AI on 250 employees within each of four industries using survey data under Dr. Nicholas Dietrich's mentorship.
- 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.

**Artificial Intelligence in Modern Board Games – Connect 4 AI** – [GitHub/CS340Final-Connect4](https://github.com/Aadarsha2002/CS340Final-Connect4)

08/2022 – 12/2022

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

**Parkinson's Disease AI Diagnosis Software** – [GitHub/AIPDS](https://github.com/Aadarsha2002/AIPDS)

07/2022 – 08/2022

- Developed AIParkinScan AI software for Parkinson's diagnosis using audio and image data.

**Artificial Intelligence in Modern Board Games – Lost Cities AI** – [GitHub/LostCities](https://github.com/Aadarsha2002/LostCities)

05/2022 – 07/2022

- Worked as Computer Science Researcher under Dr. Sean McCulloch's mentorship (see work experience above).