

Aadarsha Gopala Reddy

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SUMMARY

Software engineer specializing in machine learning and data analysis. Passionate about transforming data into actionable insights and building scalable solutions. Eager to tackle complex challenges through continuous learning and team work.

SKILLS

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

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

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

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

EXPERIENCE

Washington University in St. Louis | St. Louis, Missouri, USA

August 2024 - Present

Graduate Assistant with the Taylor Family Center for Student Success

- Leading initiatives to enhance first gen/limited income student success, including program planning, data analysis, and communication.
- Coordinating key events, tracking student data, and contributing to assessment efforts for the department.
- Supporting alumni engagement through newsletter development, database management, and other logistics.

Lab714 | Boca Raton, Florida, USA

June 2023 - May 2024

Data Analyst Intern

- Developed software using React and AWS that works with IoT devices to extract, organize, and analyze data.
- Generated meaningful client-facing results from the data, which created nearly 20% cost savings.

Ohio Wesleyan University | Delaware, Ohio, USA

January 2022 - May 2023

Computer Science Lab Assistant

- Tutored approximately 10 students for over 6 hours per week, assisting with homework and exam preparation for introductory, intermediate, and advanced computer science coursework.
- Tested and graded assignments of around 35 students in introductory and intermediate computer science classes.

EDUCATION

Washington University in St. Louis | St. Louis, Missouri, USA

Expected May 2026

MS in Computer Science — GPA: 3.2/4.0

Coursework: Artificial Intelligence for Health, Computational Biology, Deep Learning, and Software Development.

Ohio Wesleyan University | Delaware, Ohio, USA

May 2023

BA in Computer Science and Data Analytics; Economics Minor — GPA: 3.42/4.0

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

Coursework: Computer Architecture, Theory of Computation, Algorithms, Big Data, Data Visualization, Data Analytics, Databases, Machine Learning, Artificial Intelligence, Applied Statistics.

PROJECTS

Opinion Survey on Artificial Intelligence in the Workplace

January 2023 - May 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

August 2022 - December 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

July 2022 - August 2022

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

Artificial Intelligence in Modern Board Games – Lost Cities AI

May 2022 - July 2022

- Developed an intelligent agent for the card game Lost Cities under Dr. Sean McCulloch's mentorship.
- Presented the research at the Patricia Belt Conrades Summer Science Research Symposium.