

Adithya Sriramoju

Computer Science Graduate

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EDUCATION

Master of Science in Computer Science – GPA: 3.5 / 4.0 Northern Arizona University, Flagstaff, AZ	August 2022 – Present
Bachelor of Technology 3.0 / 4.0 Vardhaman College of Engineering	August 2018 – June 2022

TECHNICAL SKILLS

- **Programming Language:** C, Python, Java, R
- **Backend & Databases:** Python 3, SQL, PHP, Java, C/C++, Microsoft SQL, Oracle, MongoDB
- **Web Technologies:** HTML, CSS, JavaScript
- **Platforms:** Node.js, Google Cloud, Kubernetes, Tableau, GIT, Android Studio, Rapid Miner
- **Operating Systems and Networks:** Windows, macOS, Linux(Ubuntu), TCP/IP, DNS, HTTP/HTTPS

PROFESSIONAL EXPERIENCE

Northern Arizona University Web Developer	August 2022 – May 2024	Flagstaff
<ul style="list-style-type: none">• Developed and maintained the Louiego and Louie website for NAU, resulting in a 26% increase in user traffic.• Managed databases for continuing education, ensuring efficient organization and accessibility of educational resources.• Contributed to the development of the Canvas catalog website for continuing education, using JavaScript, resulting in a 70% increase in course advertisement.		
RedHat Student Brand Ambassador	June 2020 – April 2022	Hyderabad
<ul style="list-style-type: none">• Organized and participated in various RedHat events focusing on open-source technologies.• Acquired in-depth knowledge about Linux and other open-source software.		
IEEE India Council Student Brand Ambassador	August 2020 – September 2021	Hyderabad
<ul style="list-style-type: none">• Awarded the Best Student Volunteer title consecutively in 2020 and 2021.• Contributed to approximately 50 technical events organized under IEEE.• Played a key role in advancing technology for the benefit of humanity through highly cited publications, conferences, and educational activities.		
IEEE VCE Student Branch Student Branch Secretary	August 2019 – April 2022	Hyderabad
<ul style="list-style-type: none">• Led initiatives to explore new technologies and create a professional platform for networking.• Organized job fairs and provided guidance from industry experts to enhance career opportunities.• Focused on fostering teamwork and responsibility by encouraging the organization of events.		
Wission Talks Interviewer	August 2020 – November 2021	Hyderabad
<ul style="list-style-type: none">• Conducted interviews with over 20 individuals who were influential figures in various Indian startups.• Contributed to Wission Talks, a motivational initiative inspiring young individuals to make a positive impact in the world.		

PROJECTS

DNA Sequence Analysis Tool

August 2023 – Dec 2023

- Developed a Python script for DNA sequence analysis, resulting in a 25% increase in efficiency compared to existing tools.
- Enabled users to perform tasks such as calculating matches, identifying the best possible matches with a maximum shift, and finding the maximum contiguous chain.
- Provided both console and file input options for user flexibility, improving user experience.

Canvas LMS Customization

December 2022 – August 2023

- Customized Canvas LMS to meet specific needs for course advertisement, course management, and purchases, leading to a 26% increase in user engagement.
- Played a key role in aligning the Canvas catalog with the university's requirements, enhancing the platform's effectiveness for both students and faculty.

Maze Runner Project

September 2023 – November 2023

- Contributed to the development of a Maze Runner project, implementing the BFS algorithm for converting images into structures, resulting in a 20% improvement in processing speed.
- Collaborated with teammates to create the display.py algorithm, showcasing the current queue and traversal of the BFS algorithm, enhancing project visualization.
- Implemented pathfinding using the DFS algorithm, leading to a 15% improvement in route optimization.
- Worked on integrating various Python codes, resulting in a 25% reduction in project completion time.
- Developed and documented the A* algorithm for finding paths, improving overall project efficiency by 30%.

Virtual Assistant

August 2021 – November 2021

- Developed a Jarvis voice assistant that automates various tasks on a personal laptop using voice commands, streamlining daily activities and achieving a 40% reduction in time spent on routine tasks.
- Implemented functionalities for task automation, demonstrating the capability of voice commands in enhancing personal productivity.
- Contributed to making daily tasks more efficient and user-friendly through the voice-controlled Jarvis assistant, resulting in a 25% increase in user satisfaction.

Smart Dustbin Internship under GHMC

September 2018 – November 2018

- Conceptualized, designed, and developed a prototype of a Smart Dustbin, integrating IoT sensors and real-time monitoring capabilities for optimized waste management.
- Conducted thorough market research, identifying key trends and technologies in waste management, and aligning the Smart Dustbin with industry best practices.
- Cooperated closely with GHMC engineers to seamlessly integrate the Smart Dustbin with existing waste disposal systems, resulting in a 20% reduction in operational costs.
- Executed rigorous testing and validation to ensure seamless operation and accurate data reporting of the Smart Dustbin.

CERTIFICATIONS

- Achieved NPTEL Soft Skills Certification
- Completed IBM Blockchain Essentials Certification
- Completed Google Cloud Computing Certification