

SREE HARSHITA MADDIPATI

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Education

Northern Illinois University, DeKalb, IL *Aug 2024 – May 2026 (Expected)*
M.S. in Operations Management and Information Systems *GPA: 3.8*
Institute of Aeronautical Engineering, Hyderabad, India *Aug 2020 – Jun 2024*
B.Tech in Computer Science and Engineering

Core Competencies

Technical: React, Angular, HTML/CSS/JavaScript, Python, Java, C++, R, SQL, AWS, Pandas, Keras, Tableau, Power BI

Concepts: Machine Learning, Deep Learning, AI Integration, Data Analytics, Cloud Solutions

Soft Skills: Communication, Leadership, Problem Solving, Digital Marketing, Time Management, Presentation Skills

Professional Experience

Research Assistant, Northern Illinois University – College of Health & Human Sciences, Survey Research Lab, DeKalb, IL *September 2024 – Present*

- Conducted surveys and interviews for health and human sciences research projects..
- Ensured data accuracy, confidentiality, and compliance with research protocols.
- Supported data entry, cleaning, and analysis to facilitate actionable insights.
- Collaborated with team members to enhance survey methodologies and streamline processes.
- Developed strong communication, organizational, and analytical skills.

Web Developer Intern – Nikhila Constructions Pvt. Ltd., Hyderabad, India *Nov 2022 – Jan 2023*

- Built a dynamic corporate website using HTML, CSS, and JavaScript, increasing average session duration by 40%.
- Integrated an AI chatbot that automated 60% of user queries and improved satisfaction by 35%.
- Proposed scalable AI features to improve web functionality and user experience.

Projects

Alzheimer's Disease Detection Using Deep Learning *Nov 2023 – Jun 2024*

- Developed CNN/D-CNN models to detect Alzheimer's disease from MRI hippocampus images.
- Preprocessed medical images and improved classification accuracy through augmentation techniques.
- Achieved 97% model accuracy and published research under the guidance of Dr. Mohana Roopa.

Stock Market Sentiment Analysis *May 2023 – Jul 2023*

- Created ML models (BERT, LSTM, Naive Bayes) to analyze public sentiment from news and social media.
- Correlated sentiment data with stock market trends for predictive analysis.

Art Voyage – Web Application *Apr 2022 – Jun 2022*

- Built a modern Angular-based application with routing and real-time API integration.
- Fetched and rendered data from the Chicago Artworks API for interactive display.

Healthx – Multi-Function Health App *Dec 2021 – Mar 2022*

- Created a desktop health utility using Python and Tkinter for BMI tracking, food analysis, and medicine recommendations.
- Focused on intuitive UI design and feature consolidation.

Leadership & Volunteer Experience

Organizing Committee, TEDxIARE – Hyderabad, India *Oct 2022 – Jan 2023*

- Managed logistics, speaker coordination, and social media promotion.
- Led digital outreach across university campuses for participant engagement.

Operational Lead, Google Developer Student Club (IARE) *Aug 2022 – Jul 2023*

- Organized coding competitions, workshops, and outreach events.
- Played a key role in increasing club visibility and technical involvement.

Logistics Head, Frost Hacks – Hyderabad, India *Aug 2023 – Jan 2024*

- Led a 30-member team for event setup, vendor coordination, and scheduling.
- Delivered logistic milestones ahead of time and resolved real-time event issues.

Digital Marketing Co-head, Microsoft Student Community *Aug 2023 – Aug 2024*

- Spearheaded content creation and digital strategy for brand engagement.
- Coordinated team tasks, managed community growth, and improved online presence.