

SREE HARSHITA MADDIPATI

DeKalb, IL 60115 | work.sreeharshita@gmail.com | +1 (224) 230 7127
linkedin.com/in/sree-harshita-18678922a

Education

Northern Illinois University , DeKalb, IL	<i>Aug 2024 – May 2026 (Expected)</i>
M.S. in Operations Management and Information Systems	GPA: 3.8
Institute of Aeronautical Engineering , Hyderabad, India	<i>Aug 2020 – Jun 2024</i>
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	<i>September 2024 – Present</i>
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- 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	<i>Nov 2022 – Jan 2023</i>
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- 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	<i>Nov 2023 – Jun 2024</i>
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- 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	<i>May 2023 – Jul 2023</i>
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- 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	<i>Apr 2022 – Jun 2022</i>
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- 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	<i>Dec 2021 – Mar 2022</i>
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- 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	<i>Oct 2022 – Jan 2023</i>
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- Managed logistics, speaker coordination, and social media promotion.
- Led digital outreach across university campuses for participant engagement.

Operational Lead, Google Developer Student Club (IARE)	<i>Aug 2022 – Jul 2023</i>
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- Organized coding competitions, workshops, and outreach events.
- Played a key role in increasing club visibility and technical involvement.

Logistics Head, Frost Hacks – Hyderabad, India	<i>Aug 2023 – Jan 2024</i>
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- 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	<i>Aug 2023 – Aug 2024</i>
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- Spearheaded content creation and digital strategy for brand engagement.
- Coordinated team tasks, managed community growth, and improved online presence.