TEJAS SINGHAL

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EDUCATION

Texas A&M University   College Station, TX
- MS in Computer Science   *September 2024 - May 2026*
- Coursework: Machine Learning, Software Engineering, Analysis of Algorithms

Michigan State University   East Lansing, MI
- BS in Computer Science, Minors in Business and CMSE   *September 2020 - May 2024*
- GPA: 3.866/4.00, Dean's List: Fall 2020 – Fall 2021, Fall 2022 – Spring 2024; Honors College
- International Tuition Grant Award, Presidential Study Abroad Scholarship, SpartaHack 8 Winner, EV Scholar

EXPERIENCE

Department of Computer Science at Michigan State University   East Lansing, MI
Undergraduate Learning Assistant for Algorithmic Thinking and Programming   *September 2023 - May 2024*
- Co-led the biweekly class and weekly help rooms for 40+ students using previous computer science knowledge to clarify challenging concepts and improve overall class performance and understanding

Ascent Cloud LLC   Detroit, MI
Full Stack Software Development Intern   *May 2023 - August 2023*
- Collaborated as a full stack developer within an Agile team of 8 to develop and maintain LevelEleven, a top 5 sales gamification software available on Salesforce
- Spearheaded automated email functionality with React, JavaScript, CSS, and Apex, delivering the feature 2 months ahead of schedule, enhancing user engagement and reducing team workload
- Enhanced product reliability by developing functional unit tests, contributing to improved test coverage and overall product stability

Delta Dental Of Michigan   Okemos, MI
Robotic Process Automation Bot Developer   *December 2022 - April 2023*
- Upgraded company's 3 most used UiPath bots independently to the latest version, implementing code enhancements including variable integration, dynamic code implementation, and optimization
- Monitored Orchestrator queues on VMware to promptly identify and resolve errors causing bot failures, resulting in a significant reduction in failure rates and ensuring seamless operation
- Collaborated effectively with cross-functional teams to address technical challenges and demonstrated proactive initiative in troubleshooting and resolving issues, contributing to team cohesion and project success

Department of Computer Science at Michigan State University   East Lansing, MI
Undergraduate Research Assistant   *May 2022 - July 2022*
- Researched and tested methods of modeling DNA sequence evolution into a phylogenetic tree using UNIX-based systems to determine accuracy and practical application in real-world scenarios
- Presented research poster to showcase the methodology and results of the research at Mid-Sure symposium

PROJECTS

PDF Analyzer for United Airlines (*Capstone Experience at Michigan State University*)   *December 2023*
- Built a web application, revolutionizing auditing processes and dramatically reducing the original audit time from 5-6 hours to under 10 minutes, resulting in substantial cost reductions and significantly improved operational efficiency
- Orchestrated a team of five to construct a full-stack web application, assuming leadership in front-end development with ReactJS and establishing seamless integration with a Flask API for easy communication with AWS
- Collaborated on both frontend and backend development, leveraging AWS, NLP, and Pandas, while implementing version control through Git

SKILLS

Programming Languages: Python, C++, Java, JavaScript, React, Apex, HTML, CSS, C
Software: AWS (**AWS Certified Cloud Practitioner**), Salesforce, UiPath, VMware, Jira, Git, Visual Paradigm, Flask
Other: Machine Learning, Web Development, Data Structures and Algorithms, Object-Oriented Programming