

Surya Teja Pale

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EDUCATION

San Jose State University , California, US	Aug 2022 - May 2024
Master of Science: Software Engineering	CGPA: 3.34
Institute of Aeronautical Engineering , Hyderabad, India	Jun 2017 - May 2021
Bachelor of Technology: Computer Science and Engineering	CGPA: 8.77

SKILLS

- **Programming Languages:** C, Python, Java
- **Frameworks:** Angular, React, NodeJS, Bootstrap
- **Web Technologies:** HTML5, CSS3, JavaScript, Typescript, ES6, Ajax, JSON, jQuery, GraphQL, JSP, Sass, Redux
- **Databases:** MySQL, SQL, MongoDB
- **Expertise:** Data Structures & Algorithms, Machine Learning, Computer Networks
- **Tools:** Git, Jira, Postman, Google Data Studio, Google Analytics, Jenkins, Kubernetes, Kafka, Docker, Redis.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services , Assistant System Engineer, Synergy Park, HYD	Jun 2021 – Jul 2022
<ul style="list-style-type: none">• Engaged in the C+AI Accessibility project, focusing on ensuring the accessibility of applications for individuals with disabilities.• Efficiently employed Microsoft Azure Devops Server and Kusto Database, enhancing proficiency while contributing to the project and gaining valuable accessibility domain experience.• Demonstrated exceptional work skills, resulting in a promotion to a sub-team lead role for a team of 10 within just eight months of project involvement.	

PROJECTS

Gym Smart Exercise App Python, Mediapipe, Streamlit UI, AWS EC2	Aug 2022 – Dec 2022
<ul style="list-style-type: none">• Developed a real-time user interface gym application using Streamlit, OpenCV, and MediaPipe. Utilized Python and relevant technologies to create an innovative solution that provides real-time exercise form correction and reps counting.• Achieved a 20% improvement in exercise form accuracy, enhancing their workout experience and promoting better techniques	
My Health Club Angular, Node.js, MongoDB, AWS, Express.js	Aug 2022 – Dec 2022
<ul style="list-style-type: none">• Designed and implemented a comprehensive web application that not only highlights a diverse array of fitness classes but also incorporates a dedicated blogging section, allowing users to share their personal stories or engage with content from others.• Additionally, the application is enhanced with a BMI calculator that takes into consideration both age and gender for a more tailored and holistic health assessment.	
Police Shootings in the United States Analysis Data mining, Python	Sep 2022 – Dec 2022
<ul style="list-style-type: none">• Led a data-driven analysis of U.S. police shootings, utilizing datasets from Kaggle and The Washington Post.• Implemented robust preprocessing, visualization, and forecasting techniques, shedding light on demographic trends and fostering a deeper understanding of the complex issue.	

EXTRA CURRICULAR ACTIVITIES

IARE Compendium Newspaper: Collaborated with the editorial team to produce informative college newspapers with weekly updates, keeping students engaged and informed.

SIYB: Attended a Government of India MSME workshop during my third year in undergrad, improving practical skills in entrepreneurship and business management.