

SUNKU RITHIKA

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EDUCATION

Bachelor of Engineering , JSS Academy Of Technical Education, Bangalore Specialization in Computer Science and Engineering	2021-2025 CGPA: 8.84
Intermediate , Narayana Junior College, Ananthapur	2019-2021 Score: 95.5%
Secondary Education , Narayana Concept School, Ananthapur	2018-2019 CGPA: 10

SKILLS

Languages/Frameworks	JAVA, SQL, HTML, CSS, JavaScript
Tools	PowerPoint, Excel, Git/GitHub, VS Code, Eclipse

PROJECTS

Bus Booking Database Management	09/2023
<ul style="list-style-type: none">Designed an ER diagram with related entities and a relational schema, ensuring comprehensive data representation.Implemented triggers to automate tasks and enforce business rules, applied normalization techniques to optimize database efficiency, and developed SQL queries for robust data manipulation and retrieval	
AI-Generated Art Gallery	10/2023
<ul style="list-style-type: none">Developed a web application for an AI-Generated Art Gallery using HTML, CSS and JavaScript.Created a user-friendly platform to showcase the AI-generated art including reviews, descriptions and artist details.Conducted research on AI's impact on traditional art, exploring trends and ethical considerations.Analyzed the potential for collaboration between traditional artists and AI, highlighting creativity and innovation in art.	
Movie Recommendation system	07/2024
<ul style="list-style-type: none">Developed a Movie Recommender System using machine learning techniques, including cosine similarity, collaborative filtering, content-based filtering, and hybrid methods to generate personalized movie recommendations.Analyzed user profiles, viewing histories, and demographic data to tailor suggestions to individual preferences.Enhanced user experience by providing relevant content, improving satisfaction and engagement. Increased time efficiency by reducing movie search time and offering quick, accurate suggestions.Improved platform loyalty through personalized viewing experiences. Scalable for potential application to other domains such as books and music.	
Real-Time Object Measurement	06/2024
<ul style="list-style-type: none">Developed a real-time object measurement system using OpenCV, employing techniques like edge detection, contour analysis, and perspective transformation.Calibrated the system with an A4 paper reference to convert pixel measurements into real-world dimensions. Achieved high accuracy and real-time performance under dynamic conditions, ensuring reliable measurements from various angles.	

- Tested in diverse environments, demonstrating scalability for industrial applications in manufacturing, logistics, and healthcare. This project showcases OpenCV's capability to create cost-effective, automated measurement solutions.

INTERNSHIP AND CERTIFICATIONS

- Working as an intern at Siva Complete Solutions Pvt. Ltd., contributing to the development of a **Learning Management System as a Java full-stack developer**. Gaining hands-on experience in both front-end and back-end technologies.
- Successfully completed NPTEL Online Certification in Design and Analysis of Algorithms, gaining proficiency in algorithmic techniques and problem-solving strategies.
- The Complete 2023 Web Development Bootcamp. Certificate no: UC-8f0aa7ae-0e43-495c-8c46-d2b6b44224b3.
- Developed a responsive web template for an AI-generated art gallery website using HTML, CSS, JavaScript, and Node.js as part of a Full Stack Web Development internship at **Varcons Technologies Pvt. Ltd.**

INTERESTS

- Dancing (Member of JSS College Eastern Dance Team- ABHA)