

CH. Sai Vamsi

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OBJECTIVE

Motivated and adaptable engineering student with a strong foundation in core engineering principles, analytical problem-solving, and technical skills. Proficient in applying theoretical knowledge to practical challenges and eager to gain hands-on experience in dynamic work environments. Seeking opportunities to contribute effectively by assisting teams, conducting research, and offering innovative solutions while fostering professional relationships. Committed to observing best practices, safety guidelines, and continuous learning to deliver impactful results through collaboration, data-driven insights, and technical expertise.

EDUCATION

GMR Institute of Technology	Srikakulam, India
<i>B.Tech in Computer Science Artificial Intelligence and Data Science</i>	<i>GPA: 8.5</i>
Class XII	Andhra Pradesh, India
<i>High School Certification</i>	<i>72.6% (2020)</i>
Class X	CBSE, India
<i>Secondary School Certification</i>	<i>70.6% (2018)</i>

CERTIFICATIONS

Google Advanced Data Analytics Specialization
Introduction to Web Development with HTML, CSS, JavaScript

INTERNSHIPS

WISENET Automation Private Limited	July 2023 – August 2023
<i>Intern</i>	<i>4G GPS ASSET TRACKER WEBSITE</i>
<ul style="list-style-type: none">Developed a website for a tracker and performed website and server testing.Skills used: Web Development, Web Design, Data Analytics, Testing	

PROJECTS

Automated Detection of Structural Anomalies Using Object Tracking Techniques	2024
<i>Research Project Lead</i>	<i>GMR Institute of Technology</i>
<ul style="list-style-type: none">Developed an automated system for early detection of structural anomalies using advanced image segmentation techniques.Implemented YOLO and Detectron2 models for object detection, tracking, and segmentation of cracks, potholes, and corrosion.Analyzed real-time data and optimized performance for identifying critical structural defects in urban infrastructure.Skills used: Object Detection, Deep Learning, Image Segmentation, Python, YOLO, Detectron2	
Job Analysis Project	Aug 2024 – Sep 2024
<i>Analyst</i>	
<ul style="list-style-type: none">Developed tools and scripts to analyze job market trends, provide skill recommendations, and match job seekers with relevant openings.Skills used: Data Analysis, Scripting	
Diabetes Prediction System	Feb 2024 – May 2024
<i>Project Lead</i>	
<ul style="list-style-type: none">Developed an integrated ensemble model (KNN + LGBM) for diabetes prediction.Backend powered by Flask API, Frontend with HTML, CSS, and PHP.Created a dashboard for health metrics visualization and personalized diet recommendations.Skills used: Model Development, Backend Development, Frontend Development	
Amazon Sales Data Analysis	April 2024 – April 2024
<i>Analyst</i>	
<ul style="list-style-type: none">Analyzed product sales and various aspects such as units sold and revenue generated.Developed additional pages for product information, product details with categories, and their preview feedbacks.	

TECHNICAL SKILLS

Programming Languages: Proficient: C, Python, Java; Familiar: SQL, PHP

Web Development: Frontend: HTML, CSS, JavaScript; Backend: Flask, PHP, Node.js

Data Analysis and Machine Learning: Libraries: NumPy, pandas, Seaborn, Scikit-learn, TensorFlow, Keras, PyTorch, SciPy

Testing and Debugging Tools: JMeter, Postman

Project Management and Collaboration: Knowledge of Agile methodologies