



CHEEKATI ROHINI SREE

Course : **B.Tech**, Artificial Intelligence and Data Science, 2026
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CGPA : 8.83



ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
UG	Artificial intelligence and data science	Vignan institute of information technology	Vignan's institute of information technology	8.9 CGPA	2026
CLASS XII		Sri Chaitanya junior school	Andhra Pradesh Board of Secondary Education (BSEAP)	87 %	2022
CLASS X		St Francis de sales school	Andhra Pradesh Board of Secondary Education (BSEAP)	589 MARKS	2020

Subjects / Electives	Operating systems, Cyber security, Computer networks, Data Science and Visualization, Full stack, Python, Image Processing, AI, Deep Learning, Natural language Processing, Machine learning
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INTERNSHIPS

Front end developer , Marcamor's technology	May 2024 - Jun 2024
Front-End Development Intern Marcomers Technologies (May 2024 June 2024) Completed a summer internship as a Front-End Developer, gaining hands-on experience in web development and content management systems. Worked with HTML, CSS, and ReactJS basics to design and enhance user interfaces, ensuring responsive and interactive web pages. Explored the capabilities of WordPress, including customization of themes, integration of plugins, and development of dynamic websites tailored to client needs	

PROJECTS

Resume Classification using BERT and Optimization - NLP ,Machine Learning	Sep 2025 - Present
Built a BERT-based model to classify resumes by job role and skills. Handled data preprocessing, tokenization, and embedding extraction. Fine-tuned the model for high accuracy on labeled datasets. Applied hyperparameter tuning and learning rate scheduling. Showcased NLP skills in deep learning and automation in hiring.	
A study on pedestrian performance on staircase during peak academic hours - Data science and analysis	Aug 2025 - Oct 2025
This study focused on analyzing pedestrian performance on staircases during peak academic hours within educational buildings. The goal was to understand how walking speed, flow, and congestion change during upward and downward movement — providing insights that can help design safer, more efficient spaces for students and staff. Key Findings: Ascending movement: Walking speed decreased with height due to fatigue and time pressure. Descending movement: Higher and more variable speeds were observed, influenced by urgency and psychological relief after exams. Behavioral influence: Physical strain, emotional state, and situational urgency significantly affected pedestrian flow. The outcomes can support architects, planners, and safety designers in improving staircase design, crowd management, and emergency evacuation models in educational institutions.	
Pedestrian Flow Analysis in Educational Buildings - Computer Vision / Urban Planning / Crowd Dyna	Aug 2025 - Aug 2025
Studied stairway pedestrian flow using YOLO, DeepSORT, and OpenCV. Extracted speed–density, flow–density, and speed–flow relationships. Measured key parameters: free-flow speed, capacity, and jam density. Found higher density tolerance than Western standards. Insights aid safer design of educational and high-density buildings.	
Data-Driven Road Safety Analysis (2018–2023) - Data Science	Jul 2025 - Jul 2025
Analyzed Indian road accident data using statistical and visual tools. Identified trends by time, location, weather, and behavior (e.g., alcohol use). Highlighted state-wise disparities and peak accident periods. Validated findings with national statistics for accuracy. Proposed policy changes like better enforcement and awareness campaigns.	
Medi Historv - Web development	Apr 2024 - Jun 2024

<div>Medi History -Secure Medical Management System Project Aug 2024</div> <div><div>• Developed a secure medical records management system using Node.js, Express.js, MongoDB, HTML, CSS, and JavaScript.</div><div>• Implemented OTP-based authentication, role-based access control, and audit logging for enhanced security and transparency.</div><div>• Designed a responsive, user-friendly interface for efficient record management by healthcare providers and patients. Ensured compliance with data protection regulations, improving privacy and operational efficiency in healthcare settings.</div></div>	
POSITION OF RESPONSIBILITY	
Front end developer - Marchamors technology	Apr 2024 - May 2024
EXTRA CURRICULAR ACTIVITIES	
<div>Co lead for Web developement club</div> <div>As CoLead for Web Development, I partnered with the Technical Lead to define the architecture and engineering standards of our web platform, mentored developers and promoted best practices, and actively contributed handson code to ensure our applications were highperforming, scalable, secure, and aligned with business objectives.</div> <div>MEHENDI</div> <div>Cooking</div>	
PUBLICATIONS	
<div>Experimental Analysis of Pedestrian Fundamental Diagrams in Educational Buildings During Peak-Hour Stairway Traffic</div> <div>Journal name: Lecture Notes in Civil Engineering in Springer nature link Publication date: Oct 25, 2025</div> <div>Data-Driven Insights for Road Safety Policy: A Multi-Factor Analysis of Indian Accident Data</div> <div>Journal name: Lecture Notes in Civil Engineering in Springer nature link Publication date: Oct 25, 2025</div> <div>A Study on Pedestrian Performance on Staircases During Peak Academic Hours</div> <div>Journal name: Lecture Notes in Civil Engineering in Springer nature link Publication date: Oct 25, 2025</div>	
VOLUNTEER EXPERIENCE	
<div>Vignan Institute of Information Technology - Role: Student coordinator Cause: Education</div> <div>Jul 2025 - Jul 2025</div> <div>I actively contributed to the organization of the Two-Day Online Workshop on AI & DS Perspectives as a Student Coordinator. Prior to the event, I was involved in planning, scheduling sessions, coordinating with speakers, and handling participant registrations. During the workshop, I facilitated smooth communication between the organizing team and attendees, assisted in managing technical sessions, and ensured the event ran efficiently. This experience strengthened my leadership, teamwork, and event management skills while expanding my knowledge in Artificial Intelligence and Data Science.</div> <div>Vizag marathon - Role: Volunteer Cause: Social Services</div> <div>Dec 2024 - Dec 2024</div> <div>Assisted in the organization and execution of a city-wide marathon event, ensuring smooth coordination among the participants, staff, and supporting teams. Supported logistical operations, including registration, crowd management, hydration stations, and route guidance. Promoted health, fitness, and community engagement through active participation in event setup and participant support</div>	
LANGUAGES KNOWN	
Hindi, Telugu, English	