

# Govardhan Velicheti

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## Education

GMR Institute of Technology, B.Tech in Computer Science

Oct 2022 – May 2026

- CGPA: 9.35/10.0

## Leadership & Volunteering Experience

ISTE GMRIT – Student Coordinator, Rajam, India

July 2023 – Present

- Helped organize technical events and workshops aimed at improving coding and technical skills among students.
- Supported the coordination of a college-level coding competition with 180+ participants.
- Assisted in creating materials and managing communication for sessions involving students of varying experience levels.

Community Project Leader – Volunteer Educator, Bondapalli, India

June 2024 – July 2024

- Led a small team to conduct basic educational sessions for school children during summer break.
- Focused on interactive learning methods to make topics more understandable and engaging.
- Managed schedules and materials to ensure smooth day-to-day activities during the project.

## Projects

Image Segmentation for Autonomous Vehicle Perception System

[GitHub](#)

Technologies: Python, TensorFlow, Keras, OpenCV

- Built a semantic segmentation model based on IRDPNet for real-time scene understanding in autonomous vehicles.
- Improved model performance using data augmentation, batch normalization, and learning rate scheduling.

2048 Game (Web Version)

[GitHub](#) | [Live Demo](#)

Technologies: HTML, CSS, JavaScript

- Created a browser-based clone of the 2048 puzzle game with responsive design and smooth user interaction.
- Implemented core game features including tile merging, movement logic, and scoring system.

Personal Portfolio Website

[GitHub](#) | [Live Demo](#)

Technologies: HTML, CSS, JavaScript, Bootstrap

- Developed a clean, professional single-page portfolio to showcase projects, technical skills, and experience.
- Integrated interactive components such as smooth scrolling, animations, and dynamic project sections.

## Skills

Programming Languages: Python, C++, JavaScript, HTML, CSS, SQL

Frameworks & Tools: TensorFlow, Keras, OpenCV, NumPy, Pandas, GitHub, Jupyter Notebook

Soft Skills: Problem Solving, Communication, Teamwork, Leadership, Adaptability

Academic Focus: Algorithms, Data Structures, Operating Systems, Computer Networks

## Certifications

- **Problem Solving (Intermediate)** – HackerRank  
Demonstrated proficiency in algorithmic problem-solving through a timed skill certification test.
- **Data Analytics Basics for Everyone** – IBM (Coursera)  
Covered key concepts in data analysis and real-world applications of data-driven decision-making.
- **Coding Interview Preparation** – Meta (Coursera)  
Practiced data structures and algorithms commonly asked in interviews with focus on time/space optimization.

## Achievements

- Secured an All India Rank of 7058 in GATE CSE (2025) as a 3rd-year student, ahead of many final-year aspirants.
- Won multiple technical events at the college level, showcasing strong problem-solving and innovation skills.
- Earned a Two-Star Coder rating on CodeChef, demonstrating consistent participation.