

Sarvade Sai Sreekar

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CAREER OBJECTIVE

Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning with strong foundations in Python, Data Structures and Algorithms, and Object-Oriented Programming. Passionate about building AI-powered and backend applications while continuously improving problem-solving skills. Seeking an entry-level Software Engineer/Python Developer role where I can contribute, learn and grow.

SKILLS SUMMARY

- **Programming Languages:** Python, SQL, HTML, CSS, JavaScript
- **Frameworks/Libraries:** Flask, TensorFlow/Keras, MediaPipe, OpenCV
- **Tools:** Git, GitHub, VS Code, PyCharm
- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, REST APIs, Machine Learning Fundamentals
- **Languages Known:** Telugu, English, Hindi, Marathi

EDUCATION

- **Srinivasa Ramanujan Institute of Technology** Anantapur, Andhra Pradesh
B.Tech - CSE (AI & ML); CGPA: 8.37 2022 – 2026
- **Amaravathi Junior College** Anantapur, Andhra Pradesh
Intermediate (BIEAP); Percentage: 82.2% 2020 – 2022
- **Sri Saraswati Vidya Mandir** Pamidi, Andhra Pradesh
SSC (10th); Percentage: 76.8% 2020

PROJECTS

- **Sign Language Translator | GitHub Repository** March 2026
Role: AI/ML Model Trainer | **Team Size:** 4 Members
 - Implemented custom gesture classes and trained gesture recognition models for real-time sign language recognition.
 - Validated recognition results and tested prediction correctness using a webcam-based gesture detection system.
 - Assisted in seamlessly integrating the trained machine learning model into a scalable Flask web interface.
 - Incorporated text-to-speech functionality and dynamic translation support for robust gesture classification.**Tech Stack:** Python, Flask, TensorFlow, MediaPipe, OpenCV.
- **Typing Teacher | GitHub Repository** August 2025
 - Engineered a comprehensive typing practice platform featuring secure user login, registration, and authentication.
 - Implemented dynamic random paragraph generation and configurable typing durations for customized user experiences.
 - Developed logic for real-time typing speed and accuracy calculation to provide instant performance summaries.
 - Built progress tracking mechanisms within a clean, responsive interface, managed using Git version control.**Tech Stack:** Python, HTML, CSS, JavaScript.
- **Dynamic Snake and Ladders | GitHub Repository** September 2024
 - Built an interactive two-player game leveraging Python and Pygame with robust object-oriented programming concepts.
 - Engineered algorithms for dynamic random generation of snakes and ladders, ensuring unique gameplay configurations.
 - Implemented a dice rolling algorithm and sophisticated event handling to manage active game states seamlessly.
 - Developed precise collision and movement logic alongside comprehensive debugging and testing for optimal performance.**Tech Stack:** Python, Pygame.

COMPETITIVE PROGRAMMING

- **CodeChef Practice Repository:**
Actively solve programming problems on CodeChef to continuously improve algorithmic thinking and problem-solving skills. Maintain a public GitHub repository to systematically document accepted solutions and practice effective Git version control.
Repository: CODECHEF-submission

ACHIEVEMENTS

- **CodeChef Rating:** Achieved a highest CodeChef rating of 1200 and competed in the Diamond League.
- **Project Showcase:** Presented the Sign Language Translator project during the department's Final Year Project Showcase.
- **Red Cross Volunteer:** Contributed to community welfare and health awareness programs.

CERTIFICATIONS

- Cisco CCNAv7 – Introduction to Networks
- Introduction to MongoDB for Students
- Introduction to Linux – edX
- CodeChef Python Skill Test (82%)