

# Yashwanth Sai Challagulla

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## Career Objective:

Enthusiastic and detail-oriented computer science undergraduate, eager to apply classroom knowledge in real-world scenarios. Seeking opportunities to contribute to innovative projects, collaborate with industry professionals, and enhance my technical skills.

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## Educational Qualifications:

S. No.	Qualification	Institute	Year	GPA/Percentage
1	B.Tech (CSE)	VNR Vignana Jyothi institute of engineering and technology(VNRVJIET)	2021-2025	8.5 CGPA (Till 6th semester, currently pursuing 7th semester)
2	12th	Sri chaitanya junior kalasala	2019-2021	97.6%
3	10th (SSC)	Sri chaitanya techno school	2019	9.8 CGPA

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## Technical Skills:

**Programming Languages:** C, C++, python

**Web Technologies:** HTML, CSS, bootstrap, java script

**Others:** Data structures and algorithms (DSA), SQL, machine learning (ML)

**Tools & Frameworks:** Git, jupyter notebook, visual studio code, google colab

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## Certifications:

- **Smart interviews:** Certified in data structures and algorithms(DSA) by completing phase-1 & 2 training.
  - **Coursera:** Completed certification course in "Supervised machine learning regression and classification".
  - **Centella's RISE Program (Research):** Gained expertise in research methodologies and practical applications in engineering projects.
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## Academic Projects:

### 1. Car price prediction project

Designed a machine learning model using random forest regression algorithm to predict car prices based on various attributes like distance travelled, car model, and the number of previous owners. The model effectively handles non-linear relationships and high-dimensional data.

## 2. Attorney at law website

Created a fully responsive law firm portfolio using HTML, CSS, bootstrap, and java script. The project includes advanced CSS styling for a professional look, bootstrap for responsive design, and java script for user validation and local storage management.

## 3. Live multimodal language translation system

Developed a real-time translation system supporting text, voice, image, and document inputs, with outputs in both text and voice formats. Leveraged technologies like Google Translate API, speech recognition, text-to-speech (TTS), and Optical Character Recognition (OCR) to enable seamless multilingual communication, providing a cost-effective alternative to human translators.

## 4. Rainfall prediction model using ensemble technique

Deployed a machine learning model to predict rainfall using historical weather data from Australia (2008-2017). The project utilized ensemble techniques, specifically bagging, to enhance prediction accuracy and improve model robustness. The model has practical applications in agriculture, urban planning, transportation, and disaster management.

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### Achievements:

#### Academic:

- Published research on "Live Multimodal Language Translation System" in the International Journal of Engineering Research and Science & Technology.
- 4-star coder in problem-solving on hackerrank platform.
- Bronze medalist in the INTSO aptitude talent search olympiad, recognized nationally for analytical skills.
- Attained an international rank of 573 in the national science olympiad (NSO).

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### Roles and responsibility:

- **President of IUCEE-VNRVJIET student chapter:** Led initiatives promoting engineering excellence and organized workshops, conferences, enhancing professional and technical skills across the cohort.
- **Volunteer of CSE association club:** Organized multiple non-technical events, managing logistics and coordinating with teams to host successful gatherings for 300+ participants.
- **Member of CSI student chapter**

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### Strengths:

- a) Focused and detail-oriented
- b) Leadership skills
- c) Quick learner

### Interests/hobbies:

- 1) Drawing
- 2) Playing Badminton, Carrom, and Cricket
- 3) Tech reading

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### Personal Details:

**Date of Birth:** 20-04-2004

**Languages Known:** English, Telugu

**Gender:** Male

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