

# Aashritha Sura

## CSE Undergraduate | Data Enthusiast | Passionate about Literature & Languages

### Profile

Hi, I'm Aashritha Sura an enthusiastic undergraduate student at VIT-AP.

I'm passionate about data science and business analytics and have completed a certified course in this domain. I'm currently diving deeper into machine learning and web development.

Beyond tech,I enjoy reading,writing and learning new languages always curious,always growing!


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### Projects

Here are a few exciting projects I'm currently working on or have completed recently.

#### Data Analytics Projects

##### Titanic Dataset - EDA & Feature Engineering

Titanic EDA Visualization 1 Titanic EDA Visualization 2

My first Kaggle competition submission! Performed comprehensive **Exploratory Data Analysis** and **feature engineering** on the Titanic dataset. Created visualizations to uncover patterns, handled missing data, and engineered new features to improve survival prediction accuracy.

[View on Google Colab](#)

##### Business Analytics Project (Rinex Internship)

Analyzed multiple datasets using **Python** (Pandas, NumPy, Matplotlib, Seaborn). Performed data cleaning, created interactive visualizations, and derived actionable business insights with recommendations.

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##### Facial Gender Recognition using CNN (Completed Project)

Facial Gender Recognition model

Developed and trained a **convolutional neural network (CNN)** to accurately classify gender from facial images. Key highlights:

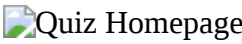
- Applied image preprocessing and real-time data augmentation techniques
- Designed and trained a custom CNN architecture using TensorFlow/Keras
- Achieved **high test accuracy** through model tuning and evaluation
- Validated model performance using confusion matrix and accuracy/loss curves

*Successfully completed as part of a computer vision deep learning initiative.*

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#### Web Development Projects

##### Interactive Quiz Website

Quiz Homepage

Developed a responsive quiz platform using **HTML, CSS, and JavaScript**. Features include:

- Multiple question types with randomization
- Timer and score tracking

##### Glamour Space Web Portal

Glamour Space Login Page Glamour Space Dashboard

A beauty-themed web portal featuring:

- Modern login interface with social authentication options
- Responsive dashboard with profile management
- Built with: HTML5, CSS3, JavaScript

*Currently developing additional features including post creation and messaging system.*

### Game Development Projects

##### Tic-Tac-Toe Game (Python)

Tic-Tac-Toe Start Screen Tic-Tac-Toe Mid Game Tic-Tac-Toe Win Screen

A classic two-player game featuring:

- Simple PyGame GUI
- Win/draw detection logic
- Score tracking across sessions

[View on GitHub](#)

##### Snake Game (Python)

Snake Game Start Snake Gameplay Snake Game Over

Classic Snake implementation with:

- Smooth keyboard controls
- Increasing difficulty levels
- High score tracking

[View on GitHub](#)

### Skills

Here are some of the skills I've developed over time:

Programming Languages:C, C++, Python, Java, R  
Data Science: Data Analysis, Data Visualization (Matplotlib, Seaborn, Plotly), Exploratory Data Analysis (EDA), Feature Engineering, Machine Learning (Basics)  
Web Development: HTML, CSS, JavaScript  
Other Core Areas: SQL, DBMS, Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP)  
Tools: Git & GitHub, Jupyter Notebook, Visual Studio Code, Google Colab, Canva  
Game Development: PyGame, Unity (Basics)

### Languages

Here are the languages I can communicate in:

English: Fluent  
Telugu: Native  
Hindi: Intermediate  
French: Basic  
Spanish: Basic

### Education

#### Vellore Institute of Technology - Andhra Pradesh

B.Tech in Computer Science and Engineering | 2023 – Present

Completed 2 years with a strong focus on programming languages like C,Python,Java, Data Structures,Object-Oriented Programming and Data Science.

#### Narayana Junior College - Hyderabad

Intermediate education | 2021 - 2023

Achieved 95% in Mathematics,94% in Chemistry and 90% in Physics.

#### Bhashyam High School - Hyderabad

Secondary education | 2021

Achieved 10 CGPA in 10th grade.

### Certifications

- Data Science Certification from Rinex
- Fundamentals of Accelerated Computing with CUDA C/C++ from NVIDIA
- Fundamentals of Deep Learning from NVIDIA
- SQL Certification from HackerRank
- JavaScript Certification from HackerRank

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Feel free to reach out to me for any queries or collaborations!

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