

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!

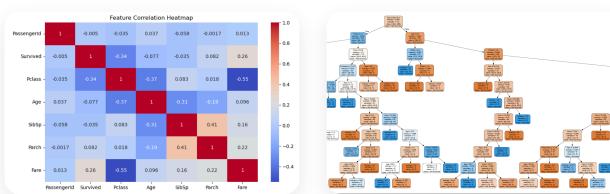
[Back to homepage](#)

Projects

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

Data Analytics Projects

Titanic Dataset - EDA & Feature Engineering



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 (Planned Project)



Currently designing a **convolutional neural network** to classify gender from facial images. Planned implementation includes:

- Image preprocessing and augmentation techniques
- Model architecture design using TensorFlow/Keras
- Performance evaluation and optimization
- Goal of achieving high accuracy on test datasets

This project is in the planning/research phase.

Web Development Projects

Interactive Quiz Website



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



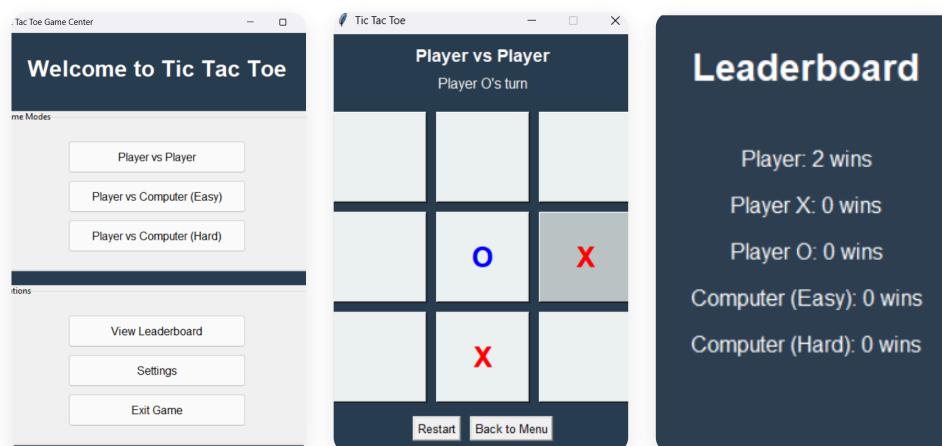
A beauty-themed web portal featuring:

- 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)



A classic two-player game featuring:

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

[View on GitHub](#)

Snake Game (Python)



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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