

SKANDA G ATREYSA

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Summary

Passionate Software Engineer and Python Developer with strong **problem-solving skills** and proficiency in **data structures** and **algorithms**. Experienced in Python libraries such as **NumPy**, **PyGame**, **Pandas**, **Seaborn**, and **Matplotlib** for data analysis and visualization. Enthusiastic game developer with expertise in **Unity** and **C#**. Familiar with fundamentals of **machine learning**. Adept at developing efficient and scalable solutions across multiple domains.

Skills

- **Programming Languages:** Python, SQL, C, C++, C#, Java
- **Web Development:** HTML, CSS
- **Soft Skills:** Problem-solving, Teamwork and collaboration, Networking, Multitasking

Education and Training

Jagadguru Sri Shivarathreeshwara Academy of Technical Education (JSSATEB)

B.E. Information Science

Dec 2022 – Sept 2026(anticipated)

Certifications

- **Infosys Springboard** - Data Structures and Algorithms
- **CISCO** - Introduction to Modern AI
- **CISCO** - Computer Networks
- **IIT Madras** - Data Strategy and Formulation

Projects

Sentimental Analysis of Text and Audio

- Developed a **convolutional neural network(CNN)** to classify emotions using **Python**, **TensorFlow**, **PyTorch**.
- Integrated Hugging Face's **transformers** library to classify emotions such as joy, sadness, anger, and fear.
- Designed a user-friendly UI with **HTML/CSS** and **Flask** templates for seamless interaction.

Interactive 2D Snake Game

- Built an interactive Snake game using **Pygame**, improving skills in game development and event-driven programming.
- Designed efficient movement logic and collision detection to ensure smooth gameplay..

Galaxy Shooter Game

- Currently developing a full-fledged galaxy shooter game using **Unity** and **C#**.

Extracurricular Activities

- **Volunteered** for **two years** in college fest **JSS VERVE** – **Communication**, **leadership**, **teamwork**, and **collaboration**. Played a major role in selling passes and coordinating with the core team.
- **Composing and Producing Rap Music** - **Creativity**, **software application**. Writing lyrics, composing raps, and performing at various events.