Busani Monish Koushal

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Education

RVRJCCE, Guntur, AP   **October 2022 – June 2026**
B. Tech in CSE (AI& ML)   7.85/10 CGPA

Technical Skills

Languages: Python, Java
CS Fundamentals: Data Structures and Algorithms, Operating Systems, DBMS
Web Development: HTML, CSS, JavaScript

Internships

SkillDzire Internship   **May -July 2024**
AIML Intern

- Improved the predictive accuracy of a handwritten digit classifier by implementing data augmentation techniques to artificially expand a limited training dataset.
- Developed custom augmentation functions in Python using NumPy and Scikit-image to apply geometric transformations, specifically random rotations and shears, to the MNIST images
- Conducted a systematic hyperparameter search by testing a range of rotation angles and shear intensities to identify the optimal parameters that maximized model accuracy.

Projects

Interactive Word Guessing Game
- Developed a fully functional, browser-based word guessing game using HTML, CSS, and JavaScript.
- Implemented core game logic in JavaScript to randomly select a word, handle user input, and validate guesses against the solution.
- Designed a clean and intuitive user interface with modern CSS, featuring a card-based layout for a responsive and engaging user experience.

Classic Snake Game
- Developed a complete, functional Snake game using Python's Turtle library and Object-Oriented Programming (OOP) principles.
- Engineered the core game loop to handle real-time updates, user input, and screen rendering.
- Implemented precise collision detection logic to manage all game interactions, including collisions with food, walls, and the snake's own tail.

Certifications

Machine Learning from IIITH

Achievements

Rated proficiency in SQL by earning 2-Star rating in Hacker Rank

Languages & Interests

Languages Known: Telugu, English, Hindi
Interests & Hobbies: Video Editing, Photography

Extracurricular Activities

- Member, NSS – Participated in community service programs impacting 500 + students
- 2nd Prize - Best Short Film Recognized for excellence in storytelling, editing, and cinematography.