

UDAY KIRAN KEMA

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linkedin.com/in/udaykiran2427 | LeetCode | GitHub | CodeChef | Codeforces | HackerRank

EDUCATION

Sreenidhi Institute of Science and Technology

B.Tech. in Computer Science and Engineering - Data Science

- Current CGPA: 8.8

Hyderabad

Nov 2022 – Jul 2026

SKILLS

- **Programming Languages:** C++, Java, Python, JavaScript, R
- **ML/Data Libraries:** scikit-learn, Pandas, NumPy, Seaborn, Matplotlib
- **Web Development Frameworks:** React, Django, Tailwind CSS
- **Tools / Platforms:** Git, VS Code, Power BI
- **Databases:** SQL
- **Other Skills:** Data Structures and Algorithms, Object-Oriented Programming

PROJECTS

Flappy-AI | *Python, NEAT, Pygame*

- Developed an autonomous Flappy Bird player using the NEAT algorithm to evolve neural networks over generations.
- Implemented fitness evaluation, crossover, and mutation strategies to drive progressive learning and behavior optimization.
- Achieved high game endurance through continuous model improvement and genetic evolution without explicit supervision.
- Demonstrated foundational concepts in neuroevolution and reinforcement learning via visual, interactive simulation.

CineShard | *React.js, Appwrite, Tailwind CSS*

- Developed a responsive movie search platform with user authentication and cloud backend integration.
- Leveraged TMDb API for real-time movie data and Appwrite for secure auth and database management.
- Implemented dynamic UI components with Tailwind CSS and React Hooks for smooth interactivity.
- Delivered fast search, movie details view, and personalized dashboard with clean UI/UX principles.

ReadLister | *JavaScript, HTML, CSS*

- Created a web-based reading list manager to track and organize books across reading stages.
- Used Google Books API to fetch real-time book metadata and render dynamic search results.
- Built interactive list manipulation features using vanilla JavaScript and DOM manipulation.
- Focused on clean design, responsive layout, and seamless user experience without frameworks.

CERTIFICATIONS

- Machine Learning - Coursera
- Responsive Web Design - FreeCodeCamp
- Python for Data Science and Machine Learning Bootcamp - Udemy
- Software Engineer Intern Certificate - HackerRank
- Python for Data Science - NPTEL

ACHIEVEMENTS

- GeekWeek 2024 Runner-Up, College Level Coding Contest
- Pupil in Codeforces
- 3-Star in CodeChef