Manish Yadav
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SUMMARY

● Proven ability to develop efficient algorithms and predictive models. Extensive knowledge and practical experience in machine learning and cybersecurity
● Seeking a challenging position in a dynamic organization to utilize my technical skills and contribute to its success.

EXPERIENCE/TRAINING

• **Industrial Training in Machine Learning**
Upflairs Pvt. Ltd., Jaipur (45 days - from July 2023 to September 2023**)**
• **Industrial Training in DevOps**
Upflairs Pvt. Ltd., Jaipur (24 days – from July 2022 to August 2022)

SKILLS

- **Programming Languages** - Python, C++, C
- **Networking -** Switch, Router, Bridge, IPV4, IPV6, etc (CCNA)
- **Cyber Security -** Basic concepts
- **Machine Learning -** Experience with machine learning algorithms, libraries and projects
- **Soft Skills -** Teamwork, and problem-solving abilities
- **Core Subjects -** Machine Learning, Computer Network, DBMS

PROJECTS

Real Estate Price Prediction

- Developed a Real Estate Price Prediction model for Bangalore city using machine learning techniques.
- Performed data cleaning and preprocessing using Pandas, handling missing values and outliers.
- Engineered new features, such as price per square foot, to enhance model performance.
- Removed outliers using both business logic and statistical methods.
- Implemented and trained a Linear Regression model for property price prediction.
- Visualized data and model results using Matplotlib for better insights.

Snake, Water and Gun Game

- Developed an interactive 'Rock, Paper, Scissors' variant using C language.
- Focused on random number generation, user interface, and input validation.
- Implemented game logic with rules: Snake drinks Water, Water douses Gun, and Gun shoots Snake.
- Created a command-line interface for player input and feedback.
- Implemented a scoring system to track wins, losses, and ties.

Flappy Bird

- Developed a Flappy Bird game using Python and Pygame.
- Designed and implemented game mechanics including bird movement, gravity, and jumping.
- Created dynamic obstacle generation with random pipe heights and gaps.
- Implemented collision detection for bird and pipe interactions as well as screen boundaries.
- Managed game state with start, running, and game over conditions.
- Utilized Pygame to handle graphics rendering, user input, and game loop logic.
- Created scoring systems to track player performance

Caesar Cipher Algorithm

- Developed a Caesar Cipher program using Python for encryption and decryption of messages.
- Implemented functions to encrypt and decrypt messages based on a shift value provided by the user.
- Validated user input to ensure the shift value is an integer.
- Created a menu-driven interface allowing users to choose between encryption, decryption, and exiting the program.
- Handled both uppercase and lowercase letters in the encryption and decryption process.
- Retained non-alphabetic characters in their original form during encryption and decryption.

EDUCATION

Bachelor of Technology (Computer Science & Engineering)- JECRC Foundation, Jaipur

2022 - 2025(Expected)

Diploma - RPGPC, Dausa

2020 - 2022

High School - Board of Secondary Education Rajasthan

2019 – 2020

SOCIAL

- LinkedIn - https://www.linkedin.com/in/manish-yadav-30583728a/
- GitHub - https://github.com/ManishYadavRao/ManishYadavRao

LANGUAGES

English, Hindi