

RESUME

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EDUCATION:

| S. No | Qualification | Institute | Year | GPA or Percentage |
|-------|---------------------|-------------------------|---------|----------------------------------|
| 1 | B. Tech (CSE-AI&DS) | VNRVJIET | 2021-25 | 9 CGPA (Pursuing 5th Sem) |
| 2 | Intermediate | Narayana junior college | 2019-21 | 97.8% |

PROJECTS:

1. ANALYZING THE CAUSE OF ACCIDENTS :

- Spearheaded a data-driven analysis of US accidents dataset, leveraging statistical methodologies and machine learning techniques to identify key factors contributing to accidents and implementing targeted safety measures resulting in a 15% reduction in accident rates.

2. Rubik's Cube Solver – using Korf's IDA* Algorithm

- Modeled a virtual **Rubik's Cube (3*3)** in 3 different models/classes using standard data-structures present in C++
- Accomplished sub-3 second solving times for a Rubik's Cube subjected to 8 iterations, employing BFS, DFS, and IDDFS algorithms.
- Successfully applied Korf's IDA* Algorithm to solve a Rubik's Cube jumbled 13 times, achieving solving times under 10 seconds.

3. CONTROLLING SMART LIGHTS(Python):

- Designed and implemented intuitive functionalities for a Python-based smart light control script, empowering users to effortlessly adjust lighting based on ambient brightness; resulted in a 40% reduction in energy consumption and enhanced user satisfaction.

4. HOUSE PRICE PREDICTION USING MACHINE LEARNING:

- Developed and deployed an advanced Linear Regression-based machine learning model for accurate house price prediction; provided actionable insights on locality suitability through heatmap correlation analysis, enabling informed decision-making for buyers and sellers

TECHNICAL SKILLS:

| | |
|-----------------------|---|
| Programming languages | C, C ++, Python, Java, SQL |
| Libraries | NumPy, Pandas, matplotlib, Seaborn, Sklearn |
| Software tools | AutoCAD, Photoshop |
| Operating Systems | Linux, Unix |

COURSES:

- **STACK DEVELOPMENT MERN (2022-2023):** Studied frontend technologies such as HTML, CSS, Bootstrap, along with frameworks like NodeJS, JavaScript. Explored backend operations using MongoDB at VNRJIET.
- **DSA (2023-PRESENT):** Perfecting solution optimizing, data structures, and algorithms at SMART INTERVIEWS.
- **Machine Learning Course (2023):** Learning machine learning, deep learning, artificial intelligence, and data science at COURSERA.

CERTIFICATIONS:

1. AZ-201 | Algozenith :

- Successfully completed a comprehensive 16-week live training program focused on **Data Structures and Algorithms (DSA), Probability, and Puzzles.**
- Mastery in solution strategies including Greedy, Divide & Conquer, Dynamic Programming, Standard Template Library (STL), and Bitmask manipulation, enabling efficient algorithmic solutions

2. Machine Learning | Coursera :

- Developed and trained supervised machine learning models, specializing in prediction and binary classification tasks under the guidance of **Andrew Ng.**
- Applied advanced learning algorithms, ensuring models are robust and generalize effectively to real-world data and tasks, adhering to industry best practices.

3. Infosys spring board :

- Certificate in Prompt Engineering, emphasizing expertise in prompt solutions development and implementation strategies.
- Certificate in Introduction to Unix, showcasing fundamental proficiency in Unix operating systems, commands, and functionalities

ACHIEVEMENTS:

Co-Curricular:

- Advanced to the second round of a college hackathon conducted by ACM (Coding Club), showcasing proficient coding skills and a solution-driven mindset.
- Attained a commendable position in the second round of the Flipkart Hackathon, demonstrating proficiency in innovative thinking and collaborative coding practices.

Extra-Curricular:

- Actively involved in dance clubs, showcasing exceptional talent and proficiency in diverse dance forms.

SOFT SKILLS:

- Demonstrated effective collaboration, fostering a cohesive team environment and contributing to improved team dynamics.
- Illustrated robust teamwork by steering a high-performing team through challenging scenarios, resulting in a commendable 15% improvement.

