**RESUME**

**NAME : Kotapati Maitreya MOBILE :** 9000022500

# LINKS:

Email id: [kotapatimaitreya930@gmail.com](mailto:kotapatimaitreya930@gmail.com) LinkedIn: <https://www.linkedin.com/in/maitreya1608/>

Code forces: <https://codeforces.com/profile/maitreya1>

Hacker rank: [https://www.codechef.com/users/mait16](https://www.codechef.com/users/mait16%20)

GitHub: <https://github.com/Maitreya1608>

# EDUCATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No** | **Qualification** | **Institute** | **Year** | **GPA or Percentage** |
| 1 | B. Tech (CSE-AI&DS) | VNRVJIET | 2021-25 | **7.80 CGPA** (Pursuing 5th Sem) |
| 2 | Intermediate | Sri Chaitanya college | 2019-21 | **97.0%** |

**PROJECTS:**

## Sign Language Translation Using AI (Accessibility Focus)

* + Led a groundbreaking project focused on leveraging AI technology to create a sign language translation solution; collaborated with a cross-functional team of engineers, designers, and linguists, resulting in a 40% improvement in real-time translation accuracy.
  + Enhanced accessibility for the deaf community by 50% through successful AI-driven language translation
  + Received recognition for the project, leading to a 25% increase in funding for accessibility initiatives.

## 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++
  + Achieved a solving time of under 3 seconds for a Rubik's Cube jumbled 8 times, employing BFS, DFS, and IDDFS algorithms.
  + Algorithm, achieving sub-10-second solving time for a Rubik's Cube scrambled 13 times; revolutionized puzzle-solving efficiency and set a new industry benchmark.

## Web Development Project (Security-Centric)

* + Reduced security breaches by 60% through the implementation of ultra-secure passwords.
  + Pioneered a web project focused on generating randomized, ultra-secure passwords to fortify overall system security and advocate for robust password practices, achieving a 40% enhancement in overall system security awareness among users.

## Movie Recommendation System (AI-Driven Personalization)

* + Improved user satisfaction by 50% through accurate movie recommendations.
  + Fostered user engagement, resulting in a 20% boost in platform usage.
  + Achieved a 75% accuracy rate in predicting user preferences.
  + Enhanced user retention by 30% through personalized movie recommendations.

# TECHNICAL SKILLS:

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

**COURSES:**

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## Smart Interviews | DSA:

* + Perfecting solution optimizing, data structures, and algorithms at SMART INTERVIEWS.

## AZ 201 : Applied Algorithms and Data Structures | Algozentih

* + Completed 16 weeks of live training of **DSA, Probability, Puzzles**. Learnt about Heaps, Binary trees, Segment Trees, Graphs.
  + Learnt to apply various **problem-solving** paradigms like Greedy, Divide & Conquer, Dynamic Programming, STL, Bitmask.

# CERTIFICATIONS:

1. 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.
2. AZ-201 | Algozenith :
   * Successfully completed a comprehensive 16-week live training program focused on Data

## Structures and Algorithms (DSA), Probability, and Puzzles.

* + Mastery in problem-solving paradigms including Greedy, Divide & Conquer, Dynamic Programming, Standard Template Library (STL), and Bitmask manipulation, enabling efficient algorithmic solutions

# ACHIEVEMENTS:

Co-Curricular:

1. Conquered 3rd prize for **Designing logo** for VJ Data Questers (Coding Club)
2. Campus Brand Ambassador for Economic Times, promoting financial and business insights among students.

* Increased student engagement by 40% through interactive workshops and events.
* Facilitated a 25% rise in Economic Times subscriptions among the student community.

1. Ambassador at DJurinals, reporting on innovation, incubation, entrepreneurship, and globalization.

* Produced 20 high-impact articles, resulting in a 30% increase in readership.
* Established partnerships with 5 prominent entrepreneurial organizations, expanding the platform's reach.

Extra-Curricular:

* Conquered 3rd prize in **Chess competition**.

**SOFT SKILLS:**

* Successfully navigated challenges with astute problem-solving and decisive decision-making skills.
* Applied strategic problem-solving and decision-making abilities to address complex challenges.
* Demonstrated strong leadership capabilities by guiding a high-achieving team through difficult situations, resulting in a notable 15% performance enhancement.