



Academic Details			
Year	Degree	Institute	CGPA/Marks(%)
2025	B.Tech Chemical Engineering	IIT Hyderabad	7.73
2025	Minor in Economics	IIT Hyderabad	N.A
2020	XII (Board of Secondary Education, Rajasthan)	Gyan dev Public Sr. Sec. School Sikar	98.2%
2018	X (Board of Secondary Education, Rajasthan)	Gyan dev Public Sr. Sec. School Sikar	93.83%

Skills

Language:

- Python, C++, C, HTML, CSS, MySQL

Framework:

- FastAPI, Pycharm, Bootstrap, Tailwind

Tools:

- SolidEdge, MATLAB, Dialogflow

Courses:

- Data Structure and Algorithms, DBMS
- Basics of Machine Learning, Image Processing, Natural Language Processing (NLP)

SoftSkill:

- Ability to work effectively in a team environment.
- Willingness to learn new things.
- Problem solving skill.

Relevant Courses

• Computer Science :

Introduction to Programing in C Language

• Mathematics :

Calculus, Linear Algebra, Applied Mathematics in Chemical Engineering(included various topics in statics and probability), Numerical Methods

Projects

File Compressor and Decompressor -

- The compression process involves creating a Huffman tree based on character frequencies and generating Huffman codes for each character .
- The decompression process reconstruct the Huffman tree from the compressed file's header information .
- It uses Huffman Coding Algorithm(greedy algorithm) and Command Line Argument for input files.

July
2023

City Model Navigator-

- This code provides a simple implementation of a city model which helps us to find shortest paths, identify bridges, and exploring the connectivity of the cities.
- It uses mainly algorithm related to graphs like Dijkstra , Kruskal and DFS algorithms.

September
2023

Movie Recommender System

- It is a web application that uses machine learning algorithms to provide related movie recommendations based on user preference and historical movie data.
- It uses vectorization techniques like Bag of Words to convert movie keywords into vectors, using Cosine Similarity it recommends top 5 movies with user taste.
- The Pycharm framework is used to create a user-friendly web interface. The application is deployed on Heroku as local host.
- Tech stack : Python(language) , Pycharm(framework), Heroku(Deployed platform) , ML libraries (scikit-learn , NLTK , numpy , pandas)

Decenmber
2023

YumYum Bot - Food Delivery Chatbot Integration

- The chatbot enhances user experience by intelligently handling orders and tracking order.
- Developed an end-to-end food delivery chatbot system, seamlessly integrating Dialogflow for natural language processing, a Python backend with FastAPI for robust server-side logic, and MySQL for efficient data management.
- Tech Stack: Dialogflow (Natural Language Processing), MySQL(Database), FastAPI(Backend Framework), Heroku(Deployed platform)

Course Scheduling -

- It ensures that courses with prerequisites are taken after those prerequisites are completed.
- It basically uses Topological Sort to perform course order, and then gives output the course schedule for each component.

August
2023