



Aditya Kharmale

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Academic Details			
Year	Degree	Institute	CGPA/Marks(%)
2025	B.Tech Chemical Engineering	IIT Hyderabad	8.44
2025	Minor in Economics	IIT Hyderabad	N.A
2021	XII (CBSE)	Nalanda English Medium School	92.2%
2019	X (CBSE)	Nalanda English Medium School	96.33%

Scholastic Achievements	
Awarded for Meritorious Performance in Annual Examination	2019
Represented School in IUCAA(Inter-University Centre For Astronomy And Astrophysics) Quiz competition	2018
All India Maths Science Talent Examination: All India Rank 222 School Rank 1	2016
SOF IMO: City rank 28	2013
1066 Rating on Codeforces and 1459 Rating on Codechef	

Projects	
City-Model-Using Graph	
<ul style="list-style-type: none">This C++ program represents a city model using a graph-based structure to store cities and their connections with weights.The program offers an interactive menu-driven interface to allow users to select and perform the desired operations on the city model. It effectively demonstrates graph algorithms and data structures for efficient city navigation and analysis, providing valuable insights for urban planning and connectivity optimization.	
Hotel Management	June 2023
<ul style="list-style-type: none">This C++ implemented Hotel Management System allows users to manage rooms, check-in and check-out guests, search for customers, and generate a guest summary report.The program provides an interactive menu-driven interface where users can perform various tasks related to hotel management. It supports features like categorizing rooms as AC or Non-AC, Comfort type (Standard or Non-Standard), and Size (Big or Small), along with calculating room rents based on the number of days stayed by the guest.	
Face recognition Attendance Application	August 2023
<ul style="list-style-type: none">Developed a web-based Face Recognition Attendance system using Streamlit and OpenCVImplemented real-time face detection and recognition for automated attendance trackingCreated a user-friendly interface with Streamlit for efficient data input and visualization	
Stock Price Prediction	August 2023
<ul style="list-style-type: none">Created a Stock price prediction web app with StreamlitUtilized Keras LSTM model for accurate short-term StreamlitImplemented data visualization using Matplotlib and Plotly	
BST-based Phonebook	July 2023
<ul style="list-style-type: none">This program allows users to add, remove, and search for contacts based on their names or phone numbers.It uses a Balanced Binary Search Tree(AVL Tree) to store contacts.	

Skills	
<ul style="list-style-type: none">Programming Languages: C*, C++*, Python*, Java, Fortran, Arduino and FlaskFrameworks: Numpy, Pandas, Matplotlib, PyTorch, TensorFlow, SkLearn and OpenCVTools: Git and SolidEdgeSoft skills	*Proficient
Teamwork, Dedication, Hardwork, Leadership, Adaptability.	

Relevant Courses	
<ul style="list-style-type: none">Computer Science:	
Introduction to Programming in C language, Data Structures and Algorithms, Basic of Python Programming	
<ul style="list-style-type: none">Mathematics:	
Calculus, Linear Algebra, Numerical Methods, Applied Mathematics For Chemical Engineers(included various topics on statistics and probability)	
<ul style="list-style-type: none">Machine Learning	
Machine Learning for Process System Engineering, Optimization Techniques	

Positions of Responsibility	
Inbound Head: International Relations Cell of IITH	2023-24
INTERNSHIP COORDINATOR at IIT HYDERABAD in the Office of Career Services(OCS)	2023-24
Club Core: Elektronika club(The Electronics and Signal Processing Club)	2022-23