



Academic Details			
Year	Degree	Institute	CGPA/ Marks(%)
2026	B.Tech Computational Engineering	IIT Hyderabad	8.34
2022	XII (Maharashtra Board Of Secondary And Higher Secondary Education,Pune)	Mamta English Jr. College Tornala - Jodgavhan	88%
2020	X (Maharashtra Board Of Secondary And Higher Secondary Education,Pune)	Sukhdevanand Vidhyalaya Bhandegoan	96.4%

Scholastic Achievements
<ul style="list-style-type: none">Secured All India Rank (AIR) 2443 in JEE Advanced 2022 , demonstrating exceptional profciency in one of the most competitive engineering entrance exams in India.Achieved 99.35 percentile in JEE Mains 2022, ranking among the top 0.65% out of 1 million candidates

Projects
<p>Speech recognition using DTW in Python: FOML 2023-2024</p> <ul style="list-style-type: none">Implemented Dynamic Time Warping (DTW) from scratch for speech recognition of single digits, achieving high accuracy. Successfully developed signal templates using Mel Frequency Cepstral Coefficients (MFCCs) and utilized them to calculate Cumulative Distance Matrices for differentiating between templates.Tested with diverse voices to enhance Accuracy and created a detailed Confusion Matrix to evaluate performance efficiently. <p>Telescope Automation Project (Cepheid ,The Astronomy Club IITH): March 2024</p> <ul style="list-style-type: none">Developed a system using skyfield library in Python that takes location (longitude and latitude), current time, and target celestial object as input and calculates the required direction for the telescope to point at the target in term of Altitude (Alt) and Azimuth (Az) coordinates.Enhanced astronomical observations by automating the alignment process, ensuring precise and efficient targeting of celestial objects <p>Synchronized process execution by Multithreading using pthreads: April 2024</p> <ul style="list-style-type: none">Implemented synchronized process execution using multithreading with pthreads, on matrix multiplication.Developed an understanding of thread affinity and parallel execution for optimized performance.

Skills
<p>Programming: C, C++, Python and Basic familiarity with Javascript</p> <p>AI & Libraries: Machine Learning (Scikit-Learn), Numpy, Pandas, Matplotlib, Sympy, Scipy</p> <p>Web Development: HTML, CSS, Bootstrap, JavaScript</p> <p>Development Essentials: DSA, OOPS, GitHub, VS Code</p>

Positions of Responsibility
<p>Team Lead, Extra-Mural Lectures (EML) Club, IITH: 2024-2025</p> <ul style="list-style-type: none">Leading a team 20+ team members, tasked with curating, inviting, and organising series of lectures across multiple disciplines including academia, industry, research, public service and entrepreneurship by esteemed personalities in the filed. <p>Inbound and Media Head, Cepheid - The Astronomy and Astrophysics Club of IITH: 2024-2025</p> <ul style="list-style-type: none">Leading a team of 12+ core members across various initiatives pertaining to projects, content curation and media efforts throughout different outreach channels of the club. <p>Core Member, Rang De Manch - The Dramatics and Speaking Arts Club of IITH: 2023-2024</p> <ul style="list-style-type: none">Performed multiple skits, street plays, theater performances,poetry, and various other performing arts. Organised sessions, curated and moderated the social media community for poetry enthusiasts of IITH. <p>Sunshine Buddy, Sunshine Counselling Cell, IITH: 2022-2023</p> <ul style="list-style-type: none">Coordinated efforts of Sunshine - The mental health and counselling cell of IITH, for the COE department.

Relevant Courses
<ul style="list-style-type: none">Computer Science: Intro to Programming, Data-Structures & Applications, Operating Systems - I, Operating Systems - IIAI and Scientific Computing: Fundamental of Machine Learning, Fundamentals of Scientific Computing, Computer-Aided Numerical Methods I & II,Computational Methods in Materials ScienceMathematics: Probability, Statistics, Calculas, Linear Algebra, Transform Techniques, Differential Equations,Complex variable

Extracurricular
<ul style="list-style-type: none">Represented IIT Hyderabad in theater play and street performance at the Inter IIT Cultural Meet 6.0 held at IIT Kharagpur. Dec 2023