

EDUCATION AND SCHOLASTIC ACHIEVEMENTS			
Program	Institute	% / CGPA	Year
B. Tech in Industrial Engineering	Punjab Engineering College, Chandigarh	7.20/10	2024
Class XII (BIEAP)	Sri Venkateswara College, Visakhapatnam	92.8%	2020
Class X (ICSE)	De Paul School, Visakhapatnam	94.4%	2018
• Secured top 5.1% percentile in JEE MAINS 2020 (among 800k+ candidates) and also took part in various Olympiads.			
RELATED COURSEWORK			
Web development (Full Stack)	Database Management Systems (Relational)	Data Structures and Algorithms	
Probability and Advanced Statistics	Artificial Intelligence and Machine Learning	APIs and Interfaces	
Operations Research (OR)	IT concept in Engineering (System Design)	Computer Networks	
SKILLS			
Programming Languages	C++, SQL, HTML, Cascading Style Sheets (CSS), Javascript, Java 17		
Softwares and Libraries	MySQL, PostgreSql, NodeJS, ReactJS, RestAPI, Spring Boot, Ruby on rails		
PROJECTS			
HEALTHBOOK- Web Application	<ul style="list-style-type: none">• Revolutionised Medical Record Management: Developed a cutting-edge digital health platform that streamlines medical record management, providing a secure and intuitive interface for healthcare professionals and patients.• Enhanced Patient Care and Efficiency: Leveraged a robust tech stack (Node.js, Ruby, MySQL, PostgreSQL, HTML, CSS, React) to centralise data, improve workflows, and enhance patient care while reducing administrative burdens.		
Autonomous Water Debris Collector	<ul style="list-style-type: none">• Collaborated with a 3 member team to design and develop a unique boat-type mechanism over 2 months. It could autonomously collect debris from water surfaces.• Patented the design (2 international design patents) for the unique solution to surface debris accumulation in smaller water bodies..		
TRENTZING- Web Application	<ul style="list-style-type: none">• Used API data from various social media websites to create a metric (combining Google Trends, Netflix, Prime Video, Tweets volume) to compare and create a comprehensive TOP 10 list for movies and shows. Used Machine Learning to create a feature that returns the movie name if the user inputs part of the plot.• Coded both the front-end (using HTML/CSS/ReactJS/NextJS) and back-end (Ruby, SQL) to create a dynamic website that turns raw real time data (from various sources using APIs) into useful metrics.		
Sales Data Analysis and Forecasting using various ML techniques	<ul style="list-style-type: none">• Used machine learning tools including SARIMA, Prophet, and XGBoost on a large test dataset by first processing and cleaning the data and then performing an in depth exploratory data analysis on the data.• Conducted comprehensive performance evaluations using metrics such as MAE, RMSE, and MAPE, on our dataset to find and compare the effectiveness and specificity of each technique in various regards.• Contributed descriptive insights into the reliability and precision of each ML technique in predicting sales trends to aid in optimising data-driven decision-making in various situations.		
POSITIONS OF RESPONSIBILITY/ ORGANISATIONS			
CDGC (Placement Cell at PEC)	Training Class Representative (<i>March '22-March '23</i>)		
	<ul style="list-style-type: none">• As the Training Class Representative, assisted in placement and internship coordination.• As the Creative/ PR team Sub-head, helped in organising events such as the Pre-placement training (PPT) and Open-House events.		
	Placement Class Representative (<i>March '23- May '24</i>)		
	<ul style="list-style-type: none">• As the Placement Class Representative, assisted in placement coordination and mediation among students and the placement cell throughout the length of the placement cycle.		
VOYAGERS	Actively participated in numerous informal events and presentations on a wide range of topics. These experiences significantly improved my interpersonal, communication, and teamwork abilities.		
EXTRA-CURRICULAR ACTIVITIES			
<ul style="list-style-type: none">• As a member of the chess club, I participated in various chess contests conducted at university level.• Avid enjoyer of competitive coding and frequently took part in coding contests on various platforms like CodeForces.• Passionate to teach and hence have tutored various kids of class 9,10,11 in maths, science (ICSE).			

*Project is currently in progress