



PRIYANSHU TALWAR

Course : **B.E. (Hons.)**, Computer Science, 2027
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CGPA : 9.67



ACADEMIC DETAILS				
COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	DAV Public School, Sector 14 Gurgaon	CBSE	96.2 %	2023
CLASS X	DAV Public School, Sector 14 Gurgaon	CBSE	97.8 %	2021

Subjects / Electives	Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Fundamentals of Data Science, Logic Computer Science, Discrete Structures in Computer Science
Technical Proficiency	C++, Python, Machine Learning, C Programming, Java, MySQL, Data Structures, Pandas, Literature Reviews

INTERNSHIPS	
Machine Learning Intern, NRSC ISRO	May 2025 - Jul 2025
<ul style="list-style-type: none">Developed a high-performance LULC classification model for Delhi, achieving 88% accuracy using Sentinel 2 L2A imagery.Enhanced classification accuracy by incorporating multi-temporal data, outperforming established methods.Created a custom pixel-level dataset and applied ensemble methods to enable robust, large-scale LULC monitoring.	

PROJECTS	
CDS Index Trading via Merton-Enhanced LSTM Models - Quantitative Finance, Machine Learning	Aug 2024 - Nov 2024
<ul style="list-style-type: none">Developed and implemented a published Merton-LSTM model for forecasting CDS index spreads and algorithmic trading.Performed model development, backtesting, and evaluation, which confirmed the hybrid model's enhanced capabilities.The model achieved improved forecasting accuracy and demonstrated superior profitability and risk management compared to baseline models.	
Customer Care Automation - Automation, Machine Learning, NLP	Jan 2025 - Jan 2025
<ul style="list-style-type: none">Engineered a customer care automation application using Machine Learning and Natural Language Processing (NLP), with core features of sentiment analysis, urgency classification, and automated department prediction.The system was architected to automate support emails, aiming to enhance the efficiency and accuracy of service workflows.	
Airline booking App - Flutter, SQLite	Jan 2025 - Feb 2025
<ul style="list-style-type: none">Designed and implemented the UI and core logic of an airline booking app in Flutter, supporting flight search, booking, and ticket management.Created SQLite tables for users, flights, and bookings, and collaborated on frontend -backend integration for seamless data flow.	

POSITION OF RESPONSIBILITY	
Sub - Coordinator and AI Vertical Head - Developers' Society	May 2025 - Present
<ul style="list-style-type: none">Spearhead technical events and guest lectures for a 300+ member society, managing all communications to strengthen BITS Goa student community.Lead and mentor teams through the complete lifecycle of Machine Learning and NLP projects, fostering innovation and accelerating technical growth.Organise hands-on workshops on ML fundamentals to enhance practical skills and promote collaborative learning within the student community.	

SCHOLARSHIPS	
Merit Scholarship	Aug 2023
<ul style="list-style-type: none">Received 100% merit scholarship for consistently performing in the top 1% of students in BITS Goa since the past 4 semesters	
NTSE stage 1	Dec 2021
<ul style="list-style-type: none">Awarded monetary scholarship by the Government of India for distinctive performance across the state of Haryana	

VOLUNTEER EXPERIENCE	
Center for Technical Education - Bits Goa - Role: Teaching Volunteer Cause: Education	Jan 2024 - May 2024
<ul style="list-style-type: none">Peer mentor to students in the academic assistance program. Organised doubt and revision sessions for students to help understand the coursework.	
Nirmaan - Role: Teaching Volunteer Cause: Education	Aug 2023 - Apr 2025
<ul style="list-style-type: none">Taught underprivileged 5th-grade students, preparing them for the JNVST government exam, with one student clearing the exam in 2024.	

EXTRA CURRICULAR ACTIVITIES	
Teaching Assistant	
<ul style="list-style-type: none">Selected as a First Degree Teaching Assistant for a course of 1000+ students, Computer Programming, under Prof. Arnab Paul.Developed a script to detect plagiarism and generate individualized feedback for lab submissions.	
Competitive Programming	
<ul style="list-style-type: none">Achieved a Specialist rank for consistent performance on Codeforces with a peak rating of 1471. Handle - Priyanshu_eeeeeeKnight rank on Leetcode. Handle - priyanshu_code	