JATIN AGGARWAL

+91 9310911990
2K22/ME/118

LinkedIn |GitHub
jaggarwal23904@gmail.com

EDUCATION

Course / Examination	Year	Institute / University	Performance
B.TECH. (Mechanical Engineering)	2022 – Pursuing	Delhi Technological University, New Delhi	7.83 CGPA
CBSE (Class XII)	2021-22	A.S.V.J. Sr. Sec. School, Darya Ganj Delhi	88.6%
CBSE (Class X)	2019-20	Sandhya Public School, Chauhan Banger, Delhi	80.5%

CERTIFICATES

SQL (Basic) Certificate – HackerRank; Certificate link

- Earned by successfully passing an assessment on SQL fundamentals, including SELECT queries, DDL/DML commands, aggregate functions, and joins.
- Demonstrated ability to retrieve, filter, sort, and combine data from relational databases.

Artificial Intelligence (AI) for Investment; NPTEL – **IIT Kanpur**; Elite category; Certificate link

- Completed a specialized program on **financial markets and data-driven investment strategies**.
- Gained knowledge of **risk-return analysis**, **valuation techniques**, **asset pricing models**, and **portfolio theory**.
- Developed a practical understanding of how **research insights inform real-world financial decisions.**

PROJECTS

Retail Sales Analysis (SQL);Link-Github

- Analysed 2 years of sales data using SQL, uncovering 42% revenue concentration in 40–60 age group and 47% margin in Clothing category.
- Identified untapped potential in 18–25 segment (highest AOV ₹503) and opportunities to reduce 43% festive sales dependency.
- Delivered insights that informed targeted engagement strategies, seasonality rebalancing, and revenue optimization initiatives.

Air Conditioning System Design

- Conducted theoretical calculations for cooling load, refrigerant quantity, and water flow rates for the Deendayal Urja Bhawan building, ONGC Vasant Vihar.

INTERNSHIP EXPERIENCE

- **Industrial Design Intern – Morphedo Technologies Pvt. Ltd., Noida**   **Jun'25 to Jul'25**
  Contributed to design validation for DRDO projects by running ANSYS simulations and coordinating with the design team to ensure product robustness.
- **Research Intern – Solid State Physics Laboratory, DRDO, Delhi**   **Jul'24 to Aug'24**
  Worked on cryocooler design by modelling mechanical components and performing motion and structural analysis using Fusion 360 and ANSYS.
- **Summer Intern – ONGC, Delhi**   **Jun'24**
  Analysed HVAC systems and performed thermodynamic calculations for cooling load and refrigerant flow using EES for a commercial building project.

SKILLS

SQL	PowerBI	MySQL
Market & Industry Research	Risk Management	Investment Research
MS Excel &PowerPoint		

ACHIEVEMENTS

- **Qualified GATE 2025 in 3rd Year itself;** first attempt**.**
- Achieved top performance in multiple subjects with a record of **9 A grades, 5 A+ grades, and 2 O grades** across various courses till 4th semester.
- Secured **95.84%ile** in JEE MAINS 2022 examination**;** first attempt.
- Qualified NDA(2) – 2022 examination; being in **top 1%; first attempt.**