

Ekansh Gupta

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📍 Dehradun, Uttarakhand

SUMMARY

I'm a pre-final year student at Vellore Institute of Technology, Vellore with hands on experience in Formula Student as a Vehicle Dynamics Engineer. Actively following Motorsports, Football and Tech.

EDUCATION

- Vellore Institute of Technology, Vellore | 2024-28
B.Tech (Mechanical Engineering)
- Universal Academy, Dehradun | 2023-24
CBSE Grade XII- 85%
- Doon International School, Dehradun | 2021-22
CBSE Grade X- 85%

SKILLS

- Solidworks
- Lotus
- ANSA
- ANSYS
- MATLAB
- MS Excel
- SQL
- Python
- Java

ACHEIVEMENTS

- National Science Olympiad (2017-18)
Gold Medalist (International Rank-255)

Positions of responsibility

- Member of the school student council, House prefect

LANGUAGES

- English
- Hindi

EXPERIENCE

Summer Intern

Echelon CAE Services | May 2026 – June 2026

- Performed Meshing on industry level components (ex- rear and front door of a SUV) on ANSA and learned how to improve meshing grids with maintaining the quality.
- Learned to give connections between different components, also how to run analysis on LS-Dyna
- Got exposure to process of validation and testing of child restraint system (CRS), studied and compared the graphs given by the solver and by the real time crash test on an actual passenger car.

Vehicle Dynamics Engineer

FS Team Uttejti | September 2024 – Present

- Designed and analyzed suspension geometry to optimize camber gain, caster angle, roll center and tyre behavior.
- Performed calculations on suspensions, brakes and weight distribution.
- Modeled an entire suspension geometry using CAD and simulated using Lotus.
- Collaborated with Design and Powertrain Departments to integrate it into a fully functional operatable vehicle.