

Dev Kapoor

Final-year Student

> Mechanical engineering student who builds things with motors and code. I lead a Formula Student powertrain team, like turning sketches into working prototypes, and want a graduate role in EV or robotics design.

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experience

- [2024 – now] Team Lead, Powertrain

College Formula Student Team

- Lead an 8-member team designing the car's chain drive and cooling system.
- Cut drivetrain weight by 2.4 kg with a redesigned sprocket carrier (FEA in ANSYS).
- Run weekly reviews and the parts budget of ₹3.5 lakh.

- [2025] Summer Intern

Precision Auto Components, Mohali

- Built a jig that halved setup time on a CNC machining line.
- Wrote an Excel tool to track tool wear and scrap per shift.
- Presented a 5S plan to the plant head; two lines adopted it.

- [2023 – now] Volunteer Mentor

Little Makers Robotics Club

- Teach Arduino and basic robotics to 30 school students on weekends.
- Built five low-cost kits the club still uses.

projects

- **Line-following delivery robot:** PID-controlled, 2 kg payload, built for a campus hackathon.
- **Solar dryer for farmers:** Low-cost dryer prototype tested with a village co-op.
- **3D-printed gearbox:** Planetary gearbox for a robotic arm, printed in PETG.

skills

["SolidWorks", "MATLAB", "Arduino", "CAD/CAM", "ANSYS", "Python", "GD&T", "Teamwork"]

education

B.Tech, Mechanical Engineering (2022 – 2026) CGPA 8.6 / 10

Engineering College, Chandigarh

Class XII (CBSE), PCM (2022) 92.4%

Delhi Public Academy, Panchkula

languages

languages = ["English", "Hindi", "Punjabi"]

certs = ["NPTEL: Design for Manufacturing (Elite)", "CSWA – SolidWorks Associate"]

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