

CONTACT

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Abhrant Singh

B.TECH. MECHANICAL ENGINEERING (2022-26)
ABES Engineering College, Ghaziabad (Uttar Pradesh)

SUMMARY

With notable skills both in team-based and independent capacities, I am an enthusiastic student who brings a strong work ethic and organizational skills to any setting. I am hardworking, reliable, highly organized, proactive, and punctual with a team-oriented mentality.

TECHNICAL SKILLS

- Design & Modelling
- Manufacturing & Production
- Materials & Structural analysis
- Robotics & Automation
- Software & Programming Project
- Management & Documentation

SOFTWARE SKILLS

- Solidworks:
 - Part modelling
 - Sheet metal
 - Stress simulation
- Fusion 360
- Autocad

EXTRA-CURRICULARS

- Music Manager - Kalakrit Music Club, ABES Engineering College (2024-25)
- Founding Member - Trishul Community for Defense Aspirants, ABES Engineering College (2023 -)
- Member - Picturesque Photography Club, ABES Engineering College (2023)
- Liaison Officer - Indian International Model United Nations (IIMUN) Alma Mater Chapter (2018)

EXPERIENCE

- **FunEdu Pvt. Ltd - Project Based Intern** (April-June 2025)
 - Assembly and refinement of an automated reel-cutting machine.
 - Proposed and executed modifications: adjusted mounting tolerances, reconfigured gear alignment, and optimised the layout of pneumatic lines for accessibility and performance.
- **Aerosense Technologies Pvt. Ltd - Intern** (Nov-Dec 2023)
 - Specialized in drone frame die casting, assembly, and configuration, ensuring optimal performance and stability.
 - Gained experience in aircraft weight distribution, balance analysis, propulsion systems, and electronic integration.
 - Focused on performance tuning through iterative testing and optimization, leading to superior aerodynamics.

ACCOMPLISHMENTS

- **Captain** of Team Vaahak that achieved **All India Rank 17** in AeroTHON organized by SAE India. (2024)
- **Second** position at **CII-MAJESTIC Skill - Will - Lead** Edition IV. Presented the topic - Project Management. (2023)
- **First** Position for **Best Idea Presentation** in Startup Workshop on Drones Design, Development and Piloting at ABES Engineering College. (2023)

ROLES AND RESPONSIBILITIES

- **Moderator** in the Core Organizing team for Vayudoot 2025 at ABES Engineering College. (April 2025)
- **General Secretary** of Auto - Innovator Club at ABES Engineering College. (Feb 2025 -)
- Student Volunteer for the ATAL- Faculty Development Program organized by Dept. of Mechanical Engineering, ABES Engineering College. (Nov 2024)
- **General Secretary** of Mechnophila - Technical Club of Mechanical Engineering Department, ABES Engineering College. (Dec 2023 - Jan 2025)
- Student Volunteer for Startup Workshop on Drones Design, Development and Piloting held at ABES Engineering College. (2023)