

Atiksh Verma

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EDUCATION

Purdue University

Indianapolis, IN

Bachelor of Science in Mechanical Engineering, Expected 2030

DPS International

Gurgaon, India | 2026

International Baccalaureate Diploma Programme (IBDP)

- HL coursework in Mathematics, Physics, and Chemistry; SL in Economics, English, and Spanish
- IB Physics Extended Essay: investigated the relationship between AC voltage amplitude and oscillation frequency in a fixed-field solenoid engine

RESEARCH & ENGINEERING TEAMS

Vertically Integrated Projects (VIP): Aerodynamic Design of Pikes Peak Vehicle

Purdue Indianapolis | 2026 – Present

- Building on the team's existing Pikes Peak vehicle models to improve aerodynamic performance over the current baseline
- Running CFD simulations in Siemens Simcenter STAR-CCM+ and modelling vehicle geometry in SolidWorks

Member, Purdue Space Program

2026 – Present

- Learning rocket design and flight simulation in OpenRocket
- Developing CAD skills in Siemens NX

Karlsruhe Institute of Technology (KIT), International Summer School in Engineering

Karlsruhe, Germany | 2025

- Selected for a university-level engineering summer program at KIT, one of Germany's leading technical universities
- Built a working Stirling engine, tested bridge designs, and characterized solar cells
- Completed lab work on electromagnetism, generators, and electric motors, plus CAD modelling

LEADERSHIP & INITIATIVES

Founder, Wespot (wespot.in), Automotive Journalism Org.

Gurgaon, India | 2025 – Present

- Built India's first student-run automotive journalism platform, growing readership to 50,000+ unique readers
- Published 10+ articles and covered Auto Expo 2025 and Motorfest Gurugram

Founder, GreenFusion, E-Waste-to-STEM Sustainability Initiative

Gurgaon, India | 2024 – Present

- Designed STEM experiment kits from recycled e-waste for rural students
- Earned recognition from the IB Youth Action Fund for sustainability impact

Deputy Editor, DPSI Model UN “Aurelia”

Gurgaon, India | 2024

- Directed editorial operations and managed International Press publications

INTERNSHIPS & TECHNICAL TRAINING

Automotive Electronics & IoT Internship, IIT Delhi

New Delhi, India | 2024

- Studied automotive sensor and ECU systems and telematics integration
- Built foundational IoT frameworks for vehicle data systems

Drone & UAV Internship, IIT Delhi

New Delhi, India | 2024

- Learned UAV aerodynamics, stabilization systems, and flight control programming
- Assembled and tested UAV components alongside associates.

PROJECTS

F1 in Schools Engineering Challenge

Gurgaon, India | 2023

- Designed and optimized miniature F1 car models using Fusion 360
- Performed aerodynamic analysis and contributed to team engineering documentation

AWARDS & HONORS

- Gold Medalist, World Scholar's Cup: Overall Scholar, Debate, and Team Debate (Regional, Bangkok, Thailand, 2025)
- Selected IB Youth Ambassador (National) for GreenFusion sustainability initiative
- Scored in the 98.67th percentile, HCL Jigsaw Olympiad national critical thinking competition (2021)

SKILLS

CAD & Simulation: SolidWorks, Siemens NX, Fusion 360, Siemens Simcenter STAR-CCM+ (CFD), OpenRocket

Technical: Python, MATLAB, IoT Systems, PCB Design, Microsoft Office, Adobe Premiere Pro, Photoshop

Languages: English, Hindi, Spanish