

Aman Sharma

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College Station, TX 77840

EDUCATION

- 2025-Present **TEXAS A&M UNIVERSITY** College Station, TX
- GPA: 4.0, B.S. Nuclear Engineering, Minors in Mathematics and Physics, Class of 2029
 - Coursework: Differential Equations, Calculus III, Chemistry I/II, Python, Calculus-Based Mechanics, Principles of Nuclear Engineering
- 2021-2025 **HEBRON HIGH SCHOOL** Carrollton, TX
- GPA: 3.8 UW, 5.1 W; SAT: 1580; ACT: 36
- Honors: National Merit Commended Scholar, AP Scholar with Distinction, Science National Honor Society, National Honor Society, Mu Alpha Theta Honor Society, National English Honor Society

LEADERSHIP AND EXPERIENCE

- 2026-Present **TAMU CYCLOTRON INSTITUTE - TREND** College Station, TX
- Undergraduate Researcher, TAMUTRAP*
- Contributed to TAMUTRAP, a world-record cylindrical Penning Trap measuring β - ν angular correlations to probe physics beyond the standard model, under Dr. Dan Melconian.
 - Designed and implemented a production control system for isobar separator electrodes, automatically superimposing desired fields over SNMP to replace deprecated manufacturer software, currently extending the system to control RFQ buncher/cooler.
- 2024-Present **FREELANCE TUTORING** College Station, TX
- Tutor SAT/ACT prep, mathematics through differential equations, along with physics, chemistry, and essay review.
- 2025-Present **AMERICAN NUCLEAR SOCIETY** College Station, TX
- Facilitated sponsor outreach, securing \$600,000+ in revenue enabling the largest national student conference in history, and coordinated career fair with 40+ employers
- 2021-2025 **HEBRON HIGH SCHOOL BAND** Carrollton, TX
- Band Officer, Saxophone Squad Leader, Bassoon Section Leader*
- Directed 50 saxophones and 8 bassoons, mentoring middle school students and leading sectionals.
 - Led training sessions that contributed to the band's 2nd UIL State Championship title.
 - Organized music for double-reed ensembles and coordinated middle school outreach events.
 - Organized team-building activities to foster section camaraderie and leadership growth.
- 2023-2025 **SCIENCE NATIONAL HONOR SOCIETY (SNHS)** Carrollton, TX
- President*
- Expanded the school's primary STEM tutoring program to 100+ tutors, improving academic support for almost 4,000 students.
 - Organized hands-on STEM outreach events and guest speaker programs at elementary schools to spark interest in science.

TECHNICAL SKILLS

Python, MATLAB, Systems Control, data analysis (Excel), Hindi (conversational)