KUMAR SAMYAK

High School Student

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Objective

My determination, creativity, and curiosity motivate my burning passion for expanding robotics and AI/ML frontiers. I plan to begin my career by building a project in ISM under the guidance of a mentor.

Education

- Independence High School, Frisco
- Class of 2026
- GPA: 5.2 (Top 7%)
- Relevant Coursework: AP Computer Science A & 3, PLTW Engineering courses, Independent Study and Mentorship (ISM)

Leadership Positions

- Programming Lead for First Tech Challenge Robotics (FTC) (Middle School)
- VP of Technology at Academic Empowerment Project Inc. (AEP)
- Co President for First Robotics Competition (FRC) (High School)

Experiences

Space Center University @ NASA Houston
- Built and launched model rockets
- Built and coded miniature rovers
- Simulated astronauts in space by scuba diving
- Educational tours at JSC Center

Summer Internship @ UTD
- Deep dive into AI/ML
- Learned extensively about AI and ML
- Networked with students and professors
- Developed personal final project - Handwritten Character Recognition (HCR) using Python

Independent Study & Mentorship (ISM)
- @ IHS 2024-25
- Research project in Robotics with AI

Volunteer Activities

Academic Empowerment Project Inc. (AEP)
- Taught middle school students computer science, specifically Python
- As VP of Technology, I coded bots and programs to help make the NPO run smoother and more efficiently.

FIRST Robotics
- Helped organized FIRST events (FLL Challenge)
- Enhanced organization, team work, and technical skills in young students

National Honor Society (NHS)
- I will be volunteering with NHS.
- I plan to become an NHS officer.

Extracurricular Activities

FIRST Robotics (FTC & FRC)
- Co President of Knights Robotics (FRC 6901)
- Qualified to states (2022-2023)
- Ranked 20/43 & 20/29 (2023-2024)
- Assisted other FRC teams during the season

Computer Science
- Completed online Harvard CS Courses
- Developed various projects (on GitHub)
- Furthering my knowledge in AI/ML
- Applying vision for robotics