SUKRUT MANNARI
7th Grade Student | Aspiring Aeronautical Engineer
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EDUCATION & ACHIEVEMENT

Memorial Middle School | Fair Lawn, NJ
2023 – Present

Academic Achievement: Earned Honor Roll every trimester, demonstrating consistent excellence in all core subjects.

Westmoreland Elementary School | Fair Lawn, NJ
2018 – 2023

ENGINEERING PROJECTS & ROBOTICS

First Lego League (FLL) Team | Founder & Team Leader
2025 – Present

Robotics & Leadership: Initiated and led the foundation of a new FLL team, managing administrative setup, securing mentorship, and planning technical strategies for the competition season.

Lego EV3 RC Car | Robotics Programmer & Builder
2025

Microcontroller Programming: Engineered and programmed a remote-controlled vehicle using the Lego Mindstorms EV3 kit. Implemented a custom Bluetooth protocol for full operational control.

Upcycled RC Glider Project | Design & Fabrication
2025

Aeronautical Design: Designed and constructed a functional remote-controlled glider with a cardboard airframe. Repurposed old RC car electronics, focusing on aerodynamic principles and lightweight material use.

Arduino Steering Wheel (Unojoy) | Interface Development
2025

Electronic Interfacing: Developed a custom input device using an Arduino board, successfully integrating it with the Unojoy framework to function as a computer game controller.

EXTRACURRICULAR ACTIVITIES

Taekwondo: Trained consistently, currently holding Second Degree Black Belt. This commitment demonstrates discipline, focus, and physical endurance.

Music: Studying the Carnatic Flute and all types of Saxophone. Pursuing creative expression to balance analytical engineering work.

Community Service: Leadership role in the FLL team serves as a primary service activity, promoting STEM education and robotics among younger peers.

KEY SKILLS

Technical Skills: Programming (C/C++ for Arduino), Microcontrollers (Arduino Uno, ESP32), Lego Mindstorms EV3, Mechanical Design, Basic Aerodynamics and Simple Python.

Soft Skills: Leadership, Problem-Solving, Critical Thinking, Attention to Detail, Team Collaboration.