

# Sanvi Walke

Engineering Student

+732-823-2724 · sanvi2walke@gmail.com

---

## EXPERIENCE

Design

### Car Engine

Designed a V6 car engine, including an exploded view sketch and a full 3D CAD model.

Robotics

### FIRST - Robotics

Lead a design team to build competition-ready hardware for the FIRST Robotics Seascapes Challenge; contributed to both CAD design and mechanical/hardware development of the robot.

---

## SKILLSET

### Analytical

Proficient in stress and strain analysis (axial, shear, torsional), vector mechanics, friction, thermodynamics, and heat transfer, with the ability to assess mechanical performance and energy systems accurately.

### Practical

Experienced in CAD modeling, prototyping, and mechanical system integration using SolidWorks. Skilled in designing linkages, gears, cams, and simple machines, with hands-on knowledge of machining, 3D printing, and assembly processes.

---