

Bhrugu Mehta

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EDUCATION

Texas A&M University (CO 2030) 400 Bizzell St, College Station, TX 77840

GPA: (4.0)

Relevant coursework: ENG 102

EXPERIENCE

Texas A&M Formula Electric

Aerodynamics Engineer- Freshman Year

- Contributed to the aerodynamic design of a competition electric race car, focusing on downforce, drag reduction, and airflow management
- Ran CFD simulations in Star-CCM+ to determine the optimal radiator placement and its effect on the overall aerodynamics package.
- Modeled and iterated on concepts in SolidWorks, balancing performance with manufacturability
- Performed Composite and Carbon Fiber layups
- Collaborated with structures, suspension, and powertrain subteams to integrate aero and cooling components into the full vehicle

Texas A&M Design Build Fly Team

Structures & Manufacturing Engineer - Freshman Year

- Collegiate design competition to engineer and manufacture a fixed-wing RC aircraft from the ground up, capable of completing mission-specific flight tasks.
- Contributed to airfoil selection, structural load testing, and full SolidWorks assembly modeling, including internal wing and fuselage structure.
- Fabricated the aircraft's airframe using laser-cut balsa and birch components, finished with heat-shrink vinyl covering and fiberglass composite layups.

F1 in Schools

- *Club Founder & Team Principal* 11th-12th
- Lead members to design and create a mini F1 car and race. Oversee team's design and logistics. 1st at state, 1st on West Coast, 9th in USA.

AWARDS/HONORS

Stem Racing National Championship:

Teams qualify for Nationals after a win at state or regional competitions. Finalists are judged for the car's design, manufacturing quality, pit display, verbal presentation, and race performance. Scores are summed up and then ranked from first to last. Placed 1st at State, 1st on the West Coast, and 9th in America.

ADDITIONAL SKILLS

Experienced in Computer Aided Design (9+ years), Computational Fluid Dynamics (3+ years), Fusion 360 (4+ years), 3-d Rendering and animation (2+ years).