SHRUTI SUGUMAR

Highly motivated student and aspiring Mechanical Engineer seeking opportunities to continue developing skills and knowledge.

EDUCATION

MARQUETTE HIGH SCHOOL
Expected Graduation Year 2025

CONTACT

PHONE
(636) - 236 - 5313

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ADDRESS
15868 Country Ridge Dr.
Chesterfield, MO
63017

TECHNICAL SKILLS

- Programming: C++, Python
- Hardware: Jetson Nano
- 3D Modeling: Autodesk (Inventor), SolidWorks, Onshape
- Laser Marking: CorelDRAW
- Proficient with 3D printers, laser engraver/cutter, foam cutter

LANGUAGES

- English
- Tamil
- Telugu

EXPERIENCE

Saint Louis University AirCRAFT Lab - Summer Intern   SUMMER 2024

- Worked heavily with machine learning models (YOLOV8) through open-source Python libraries for object detection.
- Created customizable object detection Python program for graduate students to utilize for yearly participation in SUAS (Student Unmanned Aerial System) competitions.

Viveka Fashions - Assistant   2023-2024

- Assisted local Indian fashion boutique.
- Managed social media accounts and advertisements, increasing online presence and creating engaging content.

Eyelevel - Math and English Tutor   2022-2024

- Taught 50+ children (ages 4 to 14) varying english and math concepts.

Violin Tutoring (Personal Business) - Tutor   2021-2023

- Started a small home business.
- Taught weekly classes to 20+ students.
- Marketed through local business Townsend Music School.

Mercy ICU - Personal Intern to Physician   2021-2023

- Transcribed notes from medical charts and procedure videos.
- Compiled research and prepared presentation reports for physician.

EXTRACURRICULARS AND AWARDS

- Placed Top 10 at 2023-2024 International Level HOSA - Future Health Professionals (MRC Partnership).
- Placed 1st at 2023-2024 State Level HOSA - Future Health Professionals (MRC Partnership).
- Placed Top 5 at 2023-2024 HOSA State Level - Future Health Professionals (ATC College Physics Test).
- Rockwood Board of Education Award (2024)
- AP Scholar with Honor Award (2024).
- Competed in 2022-2023 National Level Future Business Leaders of America (Marketing).
- 7th Place in 2022-2023 State level Future Business Leaders of America (Marketing).
- 2nd Place in 2022-2023 District level Future Business Leaders of America (Marketing).
- 2nd Place in 2022 Regionals FIRST Tech Challenge (Connect Award).
- Qualified to state level 2021 FIRST Tech Challenge.
- 2nd Place in 2021 Regionals FIRST Tech Challenge (Motivate Award).
- Rennaissance Recognition (2021-2024) - award based on GPA

- Robotics /FIRST Tech Challenge (Since 2021), Team Captain of Mindstorm Troopers (2021-2024), CAD Captain of Gluons (2024-Present).
- Vice President of Volunteering for National Alliance on Mental Illness (Since 2022).
- National Honor Society (Since 2023)
- Speech and Debate (Since 2021)
- Carnatic Music (2021-2022)
- Classical Violin (2021-2023)