TASHFEEN SHAFI

4049336201 | shafitashfeen@gmail.com | Marietta, GA

PROFESSIONAL SUMMARY Industrial & Systems Engineering student with a 3.82 GPA and ASE Engine Repair Certification. 2-time SkillsUSA State Gold Medalist in Robotics. Hands-on experience in CAD design and mechanical fabrication with a focus on manufacturing scalability and process automation.

EDUCATION Kennesaw State University | Marietta, GA | **GPA: 3.82** | Exp. May 2028 *B.S. in Industrial & Systems Engineering* (Rising Sophomore status with 79 credits completed)

- **Rockdale Magnet School (RMSST)** | Conyers, GA | H.S. Diploma | Graduated May 2025 – **Summa Cum Laude**

TECHNICAL SKILLS & CERTIFICATIONS

- **Software/CAD:** AutoCAD, OnShape, FreeCAD, Fusion 360, SolidWorks, MS Excel.
- **Programming:** Python (Process Automation), Java (2 years), HTML.
- **Fabrication & Certs:** Milling, Plasma/Laser Cutters, CNC Operation, ASE Engine Repair Cert.

ENGINEERING & RESEARCH EXPERIENCE Undergraduate Research Assistant | Tripedal Robotics | KSU | Fall 2025 – Present

- Designing and assembling a tripedal walking robot utilizing minimal actuators to emulate crutch-assisted locomotion.
- Developing control software to optimize and stabilize the robot's walking motion.

Formula SAE Member | Suspension & Manufacturing Team | KSU | Fall 2025 – Present

- Managing the disassembly of the 2025-2026 vehicle and prepping components for upcoming car testing.
- Preparing raw materials for the 2026-2027 car build and pursuing advanced manufacturing training.

Process Automation Developer | Photography Business | Self-Employed | 2025– Present

- Engineered a Python script to automate HDR workflows, including bracket-sorting, alignment, and merging.
- Developed and currently maintains a professional photography portfolio website using HTML.

Student Researcher | RMSST | Conyers, GA | 2021 – 2025

- **Glucose Fuel Cell:** 1st Place Regional & State Qualifier; prototype generated electricity from glucose.
- **Thermal Inspection Drone:** Designed CAD camera mounts for structural analysis drones; 2nd Place Regional.

LEADERSHIP & AWARDS

- **Gold Medalist, SkillsUSA Georgia (2024, 2025):** 1st in State for Robotics & Autonomous Technology.
- **Competition Secretary, SkillsUSA:** Advised members on competition selection and leadership events.