

Siddharth Sanghavi

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OBJECTIVE

Mechatronics Engineering student with experience in automation and manufacturing seeking a role in manufacturing & automation engineering. Experience in prototyping, process improvement, and production support gained from automotive & logistics industries.

EDUCATION

Kennesaw State University – Marietta, GA Expected: Dec 2026
Bachelor of Science in Mechatronics Engineering

Relevant Coursework: Intro to Engineering Graphics, Physics 1&2, Physics Lab 1&2, MATLAB for Engineers, Engineering Mechanics: Statics & Dynamics, Digital Logic Design, Circuits Analysis, Intro to Programming, Intro to PLC & Microcontrollers, Fluid Power, Machine Vision for Robot Perception

WORK EXPERIENCE

Technical Fellow, HatchBridge Incubator October 2023 – Present

- Assisting startups with technical consultation for sourcing, designing, and prototyping
- Oversight of prototyping lab with 3D printing, laser cutting, and soldering

Automation Engineering Intern, Beckhoff Automation June 2026 – August 2026

- Prospecting and engaging with customers, creating customer proposals, and managing **CRM**
- Developing customer demos on Beckhoff hardware with **TwinCAT** and **EtherCAT**

Controls Intern, Bastian Solutions June 2025 – August 2025

- Utilized PLC standards & electrical drawings to supervise commissioning of intralogistics automation
- Provide technical support for **PLC controllers, Variable Frequency Drives, and Conveyors**

Automation & Controls Integration Intern, Rivian Automotive January 2024 – August 2024

- Commissioned R1 battery manufacturing equipment with PLC programming and debugging
- Configured **Ignition gateways** and designed **HMI** screens using **Ignition Vision**

Production Engineering Intern, Toyota Industries January 2023 – July 2023

- Implemented process changes to support manufacturing of automotive air compressors
- **Prototyped** machine parts and ergonomic components to increase manufacturing safety and quality
- Built data dashboards in **Python** to display production data from **SQL**

SKILLS

Design: Autodesk Inventor, Fusion360, Onshape, SolidWorks, Altium, AutoCad Electrical

Programming: IEC 61131-3 (PLC Programming), Python, C++, SQL, Matlab, Simulink, ROS 2

Computer: TwinCAT3, TIA Portal, Studio 5000, Ignition, MS Office, Jira, Linux, CRM, Claude

Technical: Fabrication, Prototyping, 3D Printing, Soldering, Wiring, Woodworking, CNC

Language: English (Native), Gujarati (Native), Japanese (Basic)

PROFESSIONAL ORGANIZATIONS

Society of Asian Scientists & Engineers at KSU, Chapter Founder / Treasurer August 2023 – Present

Society of Manufacturing Engineers at KSU, Chapter Treasurer May 2026 – Present

Society of Manufacturing Engineers at KSU, Chapter President January 2026 – May 2026

FIRST Robotics Team 9477: Lambda, Mentor August 2024 – Present

FSAE: Kennesaw Motorsports, Business Team Member September 2026 – Present

ADDITIONAL

US Permanent Resident, authorized to work for any US employer.