

Om G. Patel

14 Joseph Rd, Douglas, MA 01516 | (774) 368-9850 | om.patel1990@icloud.com | US Citizen

Objective

Passionate and innovative Electrical Engineering student at Georgia Tech with proven experience in automation, PCB design, and compliance testing. Seeking a Summer 2026 robotics engineering internship to apply hands-on technical skills and drive impactful advancements in robotic systems.

Education

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Electrical Engineering, GPA N/A

August 2025 – Present

Expected Graduation, May 2029

Skills

Programming: Python, C, C++, HTML, JavaScript, Node.js

Hardware: Raspberry Pi, Oscilloscope, Logic Analyzer, Multimeters, Thermal Chambers, Luminance Meters, Spectrophotometers

Software: SolidWorks, Cadence, Autodesk Inventor & Revit (Certified), AutoCAD, Microsoft Suite, GitHub

Workplace Efficiency: Agile Project Management, OSHA 10-Hour, Six Sigma White Belt

Communication: Engineering Notebook, Technical Reports, Standard Operating Procedures (SOPs), Dimensioned Drawings

Languages: English (native), Hindi (conversational), Gujarati (conversational)

Honors: BVT Varsity Math Team Champion (x2), Skills USA District & State Gold Medalist (x3) – Mobile Robotics, BVT Commendation List (all terms)

Experience

Comark Corporation | Milford, MA

May 2024 – May 2025

Research & Development/Electrical Engineering Intern

- SAR Developed an automated touchscreen testing system with G-code, Python, and Flask, increasing defect detection by 17% and reducing QA time from 8 hours to 30 minutes.
- Designed 5 custom PCBs and produced 35 custom cables using SolidWorks drawings, boosting throughput across 150 product units and supporting 4 major client projects.
- Performed oscilloscope, multimeter, thermal chamber, and EMI (MIL-STD-810, MIL-STD-461) testing, accelerating approval of 15 submarine-grade displays by 23%.

Rollies Variety | Thompson, CT

May – August 2016

Cashier, Stocker, & Expense Management

- Managed \$15K in monthly expenses and maintained 100% inventory availability by creating spreadsheets, processing ~100 daily transactions, and coordinating 4x weekly restocks.
- Improved customer satisfaction by collaborating with team members to ensure accurate orders, product selection, and smooth POS operations.

Leadership/Activities

Shree Umiya Mataji Mandir | Helper/Tutor

June 2020 – Present

- Tutored 42 children ages 3–7 in Gujarati, Mathematics, Science, and English, increasing language fluency and foundational academic skills through weekly sessions during the fall.
- Led and organized a 40-member volunteer team weekly to improve event setup efficiency, decorate the temple, and serve meals for ~550 attendees during major functions.

Blackstone Valley Technical Highschool | Class Vice President

April 2023 – May 2025

- Led teams of up to 60 members to raise \$40K+ for trips, prom, and school programs, executing strategic fundraising initiatives and event planning as elected Vice President of a 315-member class.

Drone Team | Captain

Sept 2022 – May 2025

- Trained new members on CAD design, soldering, and flight control systems, building team proficiency and continuity.
- Led a 6-member team in designing and piloting custom drones, improving flight stability and performance by 20% through iterative testing and component redesign.

Robotics Club Member | Code/Build Team

Sept 2021 – May 2025

- Assembled and wired 12+ robot prototypes over 4 years, integrating sensors and motors into functional systems that competed in 6+ regional tournaments.