Job Title	Requirements/Skills Sought	My Current Skills
Robotic Software Engineer (Sahay AI)	- Bachelor's Degree in CS, Engineering, Statistics, or related field 3+ years experience with Python and C++ software development - Robotics hardware/software integration and sensor data processing - Experience with ROS/ROS2 - AWS experience (EC2, S3, Lambda, SQS) - Experience with robotics systems, simulation, or embedded development - Ability to design scalable system architecture - Strong collaboration and independent problem-solving ability	- Experience with Python and Java programming - Arduino workshop experience (microcontroller programming and hardware integration) - Hands-on robotics exposure through SWE and SHPE project teams - Comfortable using GitHub for version control - Strong teamwork, communication, and project coordination skills
Robotics Engineer (Sunnyvale, CA)	- BS/MS in CS, Software Engineering, or related field - Strong Python programming for sensor control - Experience with open-source robotics libraries - Strong technical communication and analytical skills - Ability to deliver software meeting high quality and testing standards - Self-directed work ethic and proactive learning	- Python programming experience - Team collaboration and leadership through SWE Treasurer role - Basic robotics integration experience (RC boat and RC airplane projects) - Strong communication and project planning skills
Mechanical / Mechatronics Engineer (Entry Level)	- BS/MS in Mechanical, Mechatronics, or Systems Engineering - Proficiency in SolidWorks and mechanical design principles - Ability to produce 2D/3D technical documentation - Collaboration and technical communication skills	- CAD/3D modeling exposure from robotics team involvement - Project planning and documentation experience in SWE - Strong teamwork and willingness to learn new technical tools

	● Interest in rapid prototyping (CNC, machining) ● Understanding of UAS/UGV/ROV systems	● Early familiarity with mechanical systems via hands-on projects
Robotics & AI Engineer (Entry Level, Tata Consultancy Services)	● MS in Robotics, CS, Electrical, or Mechanical Engineering ● Strong programming fundamentals (Python, C++, etc.) ● Familiarity with AI/ML frameworks and simulation tools ● Analytical thinking, collaboration, adaptability	● Python proficiency and Arduino microcontroller experience ● Hands-on robotics project exposure (SWE / SHPE teams) ● Strong collaboration, leadership, and communication skills ● Motivated to pursue further robotics coursework and industry experience
Mechanical Design Engineer (Keiser Corporation)	● Mechanical product design experience ● Strong CAD skills (assemblies and modifications) ● Excellent problem-solving and attention to detail ● Interest in fitness products is a plus ● FIRST Robotics or equivalent team-based build experience	● CAD familiarity and iterative prototyping through RC robotics projects ● Organized and detail-oriented team contributor ● Passion for hands-on mechanical systems and learning-by-building ● 2 years of FIRST Robotics experience
Electrical Engineer (IPS Group, Inc.)	● BS in Electrical Engineering ● Skill in electronic board design using Altium ● Ability to solder and work with circuit board components ● Communication and documentation skills ● Ability to troubleshoot electronics and perform rework	● Arduino and microcontroller experience (basic wiring + hardware control) ● Comfortable learning hardware tools and improving hands-on capability ● Strong communication skills and proven teamwork in project

	● Team collaboration and proactive learning	settings
Electrical Engineer I (Affiliated Engineers, Inc.)	● BSEE/BSAE degree ● Internship experience preferred ● Strong organizational and communication skills ● Ability to prioritize tasks ● Work independently or in teams	● Leadership and organization from SWE Treasurer role ● Team-based engineering experience (SWE and SHPE robotics projects) ● Strong time management across school, work, and extracurriculars
Automation Engineer (Pedal)	● Python scripting for lab workflow automation ● Hardware integration and troubleshooting experience ● Clear documentation skills ● Familiarity with lab automation standards and data control systems	● Python experience ● Hardware control using Arduino ● Clear documentation and project coordination skills ● Comfortable collaborating across teams and learning new tools
AI Software Engineer (unitQ)	● Familiarity with LLMs and applied AI development ● Strong Python and large-scale data processing experience ● Production-level software deployment ● Experience with containerization and cloud infrastructure	● Python proficiency and foundational understanding of AI concepts ● Strong problem-solving, curiosity, and willingness to learn advanced systems ● Organized communicator with ability to support cross-functional teams
Robotics Engineer (Richtech)	● Experience in computer vision, embedded AI, or robotic control ● Proven system integration experience ● Deployment on embedded platforms (e.g., Jetson) ● Full-cycle robotics development experience	● Practical robotics system exposure (RC robotics projects) ● Programming experience (Python, Java, Arduino) ● Strong collaboration, project execution, and technical communication skills

		● Motivated to deepen embedded and computer vision skillsets