

ABOUT

ENGINEER WITH EXPERIENCE IN COMPUTERS, MACHINES & AUTOMATION.
LOOKING FORWARD, TOWARDS A ROLE THAT OFFERS BETTER INDIVIDUAL AND PROFESSIONAL GROWTH.

EDUCATION

JAN 2016-17	MS, ELECTRICAL & COMPUTER ENGINEERING, (3.41/4) POLYTECHNIC INSTITUTE OF TECHNOLOGY, NYU
JUN 2010-14	BE, INSTRUMENTATION & CONTROLS, (7.04/10) SVIT, GTU

SKILLS

COMPUTER PROGRAMMING:	JAVA(PRIMARY); C/C++ (SECONDARY); PYTHON (TERTIARY), GIT, WEB(HTML, CSS, JS), DESKTOP(JAVAFX, AWT)
AUTOMATION:	MICRO-CONTROLLERS & SINGLE BOARD COMPUTERS, PLCs(LADDER-LOGIC, FBD), HMI/SCADA
INDUSTRIES SERVED:	MACHINERIES, MANUFACTURING, CONTROL PANELS, SOLAR ENERGY, EDUCATION

WORK EXPERIENCE

<input type="checkbox"/> Automation Engineer	<i>Jan 22 - present</i>
NOR-CAL CONTROLS, CALIFORNIA	
<input type="checkbox"/> Software Engineer - Machine Automation	<i>Feb 18 - Nov 21</i>
MINI-CIRCUITS, NY	
<ul style="list-style-type: none">Primarily responsible for development and maintenance of Software for Robotics and Computer Vision Projects.Upgrading legacy Control Programs and rewrite them using new technology (mostly Java).Troubleshooting machine/automation/software issues related to production.Development and maintenance of the Website: https://www.minicircuits.com/Development and maintenance of Web/Desktop Applications to support Database Maintenance.Universal Rotary Machine:Integrated capabilities from different Machines into one to include more range of products to be tested.Successfully implemented Visual Inspection on the machine before packing the units.Laser Measurement System for Mechanical Switches:An R&D Project to verify dimensions of Various Switch bodies using a Laser Displacement Sensor.Documenting project status on Agile tool (JIRA).	
<input type="checkbox"/> Developer Intern	<i>Sep - Dec 17</i>
REVMAX FLEET OPTIMIZATION, NY	
<ul style="list-style-type: none">Developing Firmware for SidewalkIQ Sensor using Doppler Radar to monitor sidewalk activities.Successfully deployed sensors at various NYC locations.R&D to improve data consistency and efficiency of data storage/transfer to Server for further processing.	
<input type="checkbox"/> Instructor (ITEST Program)	<i>May - Aug 17</i>
ROBOTICS & MECHATRONICS DPT., NYU	
<ul style="list-style-type: none">Mentor to Robotics Club Programming Team for Robotics competitions (First Robotics & Vex Robotics).Teaching concepts of Computer Programming to Robotics Club Team.	
<input type="checkbox"/> Lead Instructor (CREST Program)	<i>Feb 18 - Nov 21</i>
CENTER FOR K12 STEM EDUCATION, NYU	
<ul style="list-style-type: none">Training High School Interns with Computer Programming (Arduino C), IoT, Robotics & 3D-Printing activities.Autonomous Car (Mouse in a Maze) - STM32 Board: https://github.com/sap586/RTES_ProjectWireless Robot Controller - Arduino: https://github.com/sap586/WirelessRobotDay5Activity	
<input type="checkbox"/> Design Engineer	<i>Jun 14 - Jan 16</i>
PRIMA AUTOMATION, IN	
<ul style="list-style-type: none">Embedded Software Development on PLCs, micro-controllers & Report Generation.Front-end (UX) design on HMI/SCADA for Industrial Automation applications.Troubleshooting and upgrading legacy Automation projects (mostly on Siemens Systems).Electrical & Control Panel Layout for Industrial Automation and Robotics (E-plan, AutoCAD).	
<input type="checkbox"/> Trainee Engineer	<i>Aug 13 - May 14</i>
NEOPLAST (I) PVT. LTD., IN	
<ul style="list-style-type: none">Embedded Software Development on Siemens PLC and Front-end (UX) Design on SCADA.	

