

ABOUT

SELF-MOTIVATED, INDEPENDENT & ORGANIZED INDIVIDUAL.
QUICK-LEARNER, WANTING TO WORK ON NEW TECH-STACKS.
LOOKING FORWARD TO A POSITION THAT OFFERS BETTER INDIVIDUAL & 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

LANGUAGES: JAVA(PRIMARY), C#(SECONDARY), C/C++, GIT, L^AT_EX(TERTIARY),
WEB(HTML, CSS, JS)
AUTOMATION: PLCs(LADDER-LOGIC, FBD), HMI/SCADA,
MICRO-CONTROLLERS & SINGLE BOARD COMPUTERS
INDUSTRIES SERVED: MACHINERIES, MANUFACTURING, CONTROL PANELS, SOLAR ENERGY,
EDUCATION

WORK EXPERIENCE

- SOFTWARE ENGINEER - AUTOMATION, UNIVERSAL INSTRUMENTS CORP., NY *Sep 22 - present*
• Supporting Fuzion platform from a software perspective,
• Providing software upgrades, improvements, bugfixes and releases,
• Occasional site support, electro-mechanical troubleshooting & (Allen-Bradley) PLC applications.
Tools & technologies: - VS10-15 for CS & CPP based USOS (Desktop) applications,
 - SlickEdit, Tornado & CMD for C Language based MCOS (VxWorks) application,
 - SourceTree & GitBash as a Software Version Controller,
 - Jira as an agile project management tool
- AUTOMATION ENGINEER, NOR-CAL CONTROLS, CA *Jan - Jul 22*
◦ Supported automation software development for Solar power plants.
Tools & technologies: - Ignition SCADA - Python, GE PLC, SEL-RTAC
- SOFTWARE ENGINEER - MACHINE AUTOMATION, SCIENTIFIC COMPONENTS CORP., NY *Feb 18 - Nov 21*
◦ Provided software upgrades, improvements and bug-fixes for Rotary Machines, Vision Systems and Laser Measurement Systems.
◦ Web-Development and deployment for the company website <https://www.minicircuits.com/>.
Tools & technologies: - Apache NetBeans & Tomcat for Java Applications and web deployment
 - HTML-CSS-JS for Web-development
 - JavaFX & awt for Desktop applications
 - Git & Jira as supporting tools
- DEVELOPER INTERN, REVMAX FLEET OPTIMIZATION, NY *Jun 17 - Jan 18*
◦ Developed Firmware for SidewalkIQ Sensor using Doppler Radar, Particle Device & Arduino-C 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.
- INSTRUCTOR (ITEST PROGRAM), ROBOTICS & MECHATRONICS DPT., NYU *May - Aug 17*
◦ Mentor to Robotics Club Team for Robotics competitions (First Robotics & Vex Robotics).
◦ Teaching concepts of Computer Programming to Robotics Club Team.
- LEAD INSTRUCTOR (CREST PROGRAM), CENTER FOR K12 STEM EDUCATION, NYU *Sep 17 - Dec 17*
◦ 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_Project ◦
◦ WIRELESS ROBOT CONTROLLER - Arduino: <https://github.com/sap586/WirelessRobotDay5Activity> ◦
- DESIGN ENGINEER, PRIMA AUTOMATION, IN *Jun 14 - Jan 16*
◦ PLC ◦ SCADA ◦ Siemens ◦ Allen-Bradley ◦ Front-end (UX) ◦
◦ Electrical & Control Panel Layout ◦ E-plan ◦ AutoCAD ◦
- TRAINEE ENGINEER, NEOPLAST (I) PVT. LTD., IN *Aug 13 - May 14*
◦ PLC ◦ SCADA ◦ Siemens ◦