



↑sagarPanchal

sap586@nyu.edu • +1 (607) 314-0114 • Endicott, NY - 13760

<https://www.linkedin.com/in/sagar-panchal-55b435122/> • <https://sap586.github.io/LivingSpace/>

ABOUT

COMPUTER & ELECTRICAL ENGINEER,

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++/CS (SECONDARY), GIT, L^AT_EX(TERTIARY),
 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

SOFTWARE ENGINEER, UNIVERSAL INSTRUMENTS, NY *Sep 22 - present*
 • Provide software support to develop Fuzion - Precision Bonder platform
 • Cognex Quickbuild integration in Fuzion platform
 • tech stack : · CS · C · CPP · Git ·

AUTOMATION ENGINEER , NOR-CAL CONTROLS, CA *Jan 22 - Jul 22*
 ◦ Automation software for Solar Power-plants
 ◦ tech stack : · Ignition SCADA · GE PLC · SEL-RTAC · Red Lion ·

SOFTWARE ENGINEER - MACHINE AUTOMATION, MINI-CIRCUITS, NY *Feb 18 - Nov 21*
 ◦ Provide software support for pick & place Rotary machines development
 ◦ Web development - Back & Front-end: <https://www.minicircuits.com/>
 ◦ Enterprise application software development
 ◦ tech stack : · Java · JavaFX · HTML · CSS · Javascript ·

DEVELOPER INTERN, REVMAX FLEET OPTIMIZATION, NY *Sep - Dec 17*
 ◦ Developed 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 ◦
 ◦ tech stack : · Arduino-C ·

INSTRUCTOR (ITEST PROGRAM), ROBOTICS & MECHATRONICS DPT., NYU *May - Aug 17*
 ◦ Mentor to Robotics Club Programming 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 *Feb 18 - Nov 21*
 ◦ 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 ◦

where music meets software, checkout my new project : [beepBox](https://www.beepbox.co/) (inspired from <https://www.beepbox.co/>)

This document is prepared using L^AT_EX. Click [here](#) to download the source code.