⇑sagarPanchal

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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, LATEX(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 (inspired from https://www.beepbox.co/)