



↑sagarPanchal

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ABOUT

SELF-MOTIVATED, INDEPENDENT & ORGANIZED INDIVIDUAL, LOOKING TO RELOCATE TO A NEW TOWN FOR WORK.

MY PHILOSOPHY

I BELIEVE THAT HUMANITY IS THE GREATEST RELIGION AND EVERY ONE HAS EQUAL RIGHT TO EDUCATE THEMSELVES, EXPLORE, PURSUE THEIR DREAMS AND LIVE LIFE TO THE FULLEST.

WE HAVE TO BECOME A BETTER HUMAN BEFORE WE CAN BECOME A GOOD ENGINEER, SCIENTIST OR AN ARTIST.

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 INC., NY *Sep 22 - present*

- Software development for Electronics assembly Machines - Fuzion platform
- tech stack : · CS · C · CPP · Git · Sourcetree ·

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/>
- 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 ◦