

ANUSHA DAYANANDA

Systems Engineer with 6 years work experience

MEngin Robotics and Control Automation, BEng in Instrumentation Technology

Dynamic **Systems Engineer** with comprehensive experience in engineering, testing and troubleshooting Vision Systems, DCS, PLC and HMI. Analytical and anticipatory thinker. Excellent teamwork and team management skills. Proven ability to prioritize work, multi-task and seasoned to work in crisis situations. Effective communicator with prudent relationship building, people management & inter-personal skills. Adhering to stringent safety practices and bringing integrity to the workplace while striving for excellence in a fast-paced environment.

PROFESSIONAL EXPERIENCE

Systems Engineer/Programmer @ BOS Innovations Inc., 2017 - Present

- ◆ Successful commissioning of projects by meeting 100% of key deliverables and RFQ specifications, meeting project timelines while maintaining project budgets
- ◆ Familiarity with various technologies to integrate and design application standards, develop and implement communication/IO interfacing between devices/systems
- ◆ Developing checklists for various stages of project implementation both technological and safety practices
- ◆ Understand customer requirements, analyse new applications, assist applications engineering team and provide proof of concepts, functional requirements
- ◆ Conduct feasibility tests, support design team by providing a developed scope, identifying areas of technological uncertainty with test plans
- ◆ Provide support to the project team to help identify solutions to technical problems, methodically troubleshoot areas of technological failure and establish root cause
- ◆ Design, program and install Vision systems, PLC and/or HMI independently, and successfully troubleshoot IO, communications, machine function error and faults

Remote & FAT Systems Engineer @ Yokogawa India Limited., 2011 - 2014

- ◆ Analyzed customer requirements, piping and instrumentation diagrams (P&ID), performed trade-off analysis and architected the most efficient solutions
- ◆ Conducted functionality checks of standard control applications and complex loops in a multi-disciplinary environment liaising with project and system engineers
- ◆ Reduced the testing cycle time during the factory acceptance test (FAT) by continuously incorporating the prioritized feedback from the clients
- ◆ Deployed network-scalable MS Excel macro for PID loop tuning parameters and alarm settings for bulk tags, thus reducing errors and engineering time
- ◆ Developed an MS Excel file for modbus mapping of sub-systems which was benchmarked by co-workers for many other similar systems
- ◆ Translated a logical process flow into an effective human machine interface (HMI), via AutoCAD, thus enabling effective operation
- ◆ Prepared function detail specification (FDS), control narrative, other deliverable documents and assisted the project manager in building project schedules using ganttchart
- ◆ Supervised quality assurance involving thorough inspection using methodical check sheets and maintaining test incident registers (TIR) to track test phase on MS Excel
- ◆ Participated and conducted in ongoing cross-training workshops and activities within the organization to hone technical skills specific to the requirements of the project
- ◆ Supported the product development team to re-create a real-time environment representing the challenges that are faced during projects by developing a methodical case study enhancing the system development life cycle and developing a procedure based on the system requirement specification (SRS) and scope documents

PERSONAL INFORMATION

 Kitchener, ON

 adayananda9@gmail.com

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LANGUAGES

- ◆ Proficient English
- ◆ Proficient Kannada
- ◆ Proficient Hindi
- ◆ Intermediate Sanskrit
- ◆ Beginner French

COMMUNITY INVOLVEMENT

- ◆ **FIRST ROBOTICS, London 2019**
Mentored high school robotics team to develop and troubleshoot python vision program and interface with the robot using Raspberry Pi
- ◆ **SUNFEST, London 2016**
Involved in security of artists, safety patrol, green team and the marketing team
- ◆ **NATIONAL UNIVERSITY OF SINGAPORE, 2012-2013**
Assisted in herpetological survey of mangrove snakes by capturing, collecting data such as GPS-location, weight, ID-clipped scales and updated database
- ◆ **THE GERRY MARTIN PROJECT, Bangalore 2010**
Conducted an ecological awareness camp for children in the wilderness, demonstrated camera trap experiment and other good practices of ecologists
- ◆ **MAINI'S RURAL UPLIFTMENT PROGRAM, Bangalore 2010**
Provided individuals with and trained them to use self-sustainable goods as part of the initiative committee along with counselling school children